		FOR						
APPLI		1. WELL NAME and	NUMBER RTH CHAPITA 232-33	3				
2. TYPE OF WORK  DRILL NEW WELL	REENTER P8	A WELL DEEPE	N WELL		3. FIELD OR WILD	CAT NATURAL BUTTES		
4. TYPE OF WELL Gas We	ell Coalb	ed Methane Well: NO			5. UNIT or COMMU	NITIZATION AGRE	EMENT NAME	
6. NAME OF OPERATOR	EOG Resou	rces, Inc.			7. OPERATOR PHO	<b>NE</b> 435 781-9111		
8. ADDRESS OF OPERATOR	East Highway 40	), Vernal, UT, 84078			9. OPERATOR E-MA	AIL gardner@eogresource	es.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)		11. MINERAL OWNE			12. SURFACE OWN	ERSHIP		
UTU43916	_ 161)	FEDERAL ( IND	IAN ( STATE (	FEE (		DIAN ( STATE (	FEE (	
13. NAME OF SURFACE OWNER (if box 12	= 'fee')				14. SURFACE OWN	ER PHONE (If box 1	.2 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')				16. SURFACE OWN	ER E-MAIL (if box 1	L2 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')  UTE INDIAN TRIBE		18. INTEND TO COM MULTIPLE FORMATI YES (Submit C			19. SLANT  VERTICAL DIF	RECTIONAL 📄 H	ORIZONTAL 🛑	
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	681 FS	SL 804 FWL	SWSW	33	8.0 S	22.0 E	S	
Top of Uppermost Producing Zone	681 FS	SL 804 FWL	swsw	33	8.0 S	22.0 E	S	
At Total Depth	681 FS	SL 804 FWL	SWSW	33	8.0 S	22.0 E	S	
21. COUNTY UINTAH		22. DISTANCE TO N	EAREST LEASE LIN	E LINE (Feet) 23. NUMBER OF ACRES IN DRILLING UNIT				
		25. DISTANCE TO NI (Applied For Drilling		SAME POOL	<b>26. PROPOSED DEPTH</b> MD: 11180 TVD: 11180			
27. ELEVATION - GROUND LEVEL 4843		28. BOND NUMBER	NM2308		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-225			
4043		<u> </u>	NI42306			17 223		
		A1	TTACHMENTS					
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORDAN	CE WITH THE U	TAH OIL AND (	GAS CONSERVATI	ON GENERAL RU	JLES	
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	VEYOR OR ENGINEER	R COM	IPLETE DRILLING	G PLAN			
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURF	ACE) FORI	) FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER				
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)				TOPOGRAPHICAL MAP				
NAME Nanette Lupcho TITLE Regulatory Assistant				PHONE 435 781-9157				
SIGNATURE		EMAIL Nanette_	_Lupcho@EOGResourc	es.com				
<b>API NUMBER ASSIGNED</b> 43047514030000	APPR	OVAL		Boll	Saill			
Permit Manager								

API Well No: 43047514030000 Received: 12/13/2010

	Proposed Hole, Casing, and Cement							
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)				
Prod	6.125	4.5	0	11180				
Pipe	Grade	Length	Weight					
	Grade P-110 LT&C	11180	11.6					

API Well No: 43047514030000 Received: 12/13/2010

	Proposed Hole, Casing, and Cement							
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)				
Surf	12.25	9.625	0	2900				
Pipe	Grade	Length	Weight					
	Grade J-55 ST&C	2900	36.0					

#### **NORTH CHAPITA 232-33**

# SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### **REVISED 9-28-2010**

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,933		Shale	
Birdsnest Zone	2,265			
Mahogany Oil Shale Bed	2,870		Shale	
Wasatch	5,284		Sandstone	
Chapita Wells	5,926	Secondary	Sandstone	
Buck Canyon	6,604	Primary	Sandstone	Gas
North Horn	7,293	Primary	Sandstone	Gas
KMV Price River	8,063	Primary	Sandstone	Gas
KMV Price River Middle	8,838	Primary	Sandstone	Gas
KMV Price River Lower	9,633	Primary	Sandstone	Gas
Sego	10,186	Secondary	Sandstone	Gas
KMV Castlegate	10,337		Sandstone	
Base Castlegate SS	10,570		Sandstone	
KMV Blackhawk	10,719	Primary	Sandstone	Gas
TD	11,180			

Estimated TD: 11,180' or 200'± below TD Anticipated BHP: 6,104 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 1,500 ft ±.
- 2. Cement isolation is installed to surface of the well on the 9-5/8" surface casing. All other casing strings will be isolated by cement.

#### 3. PRESSURE CONTROL EQUIPMENT:

Intermediate/Production Hole – 5000 Psig BOP schematic diagrams attached.

#### 4. CASING PROGRAM:

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGH T	<u>Grade</u>	<b>Thread</b>	Rating Collapse	Factor Burst	<u>Tensile</u>
Conductor	24"	0 – 90'	16"						
Surface	12.25"	0 - 2900'KB±	9.625"	36.0#	J-55	STC	2,020	3,520	394,000#
Intermediate*	8.75"	0 - 7500' KB ±	7"	23.0#	HCP-110	LTC	5,470	8,710	590,000#
Production	6.125"	Surface - TD	4.5"	11.6#	P-110	LTC	7,560	10,690	279,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 2900'± and cased w/ 9-5/4" 36#. Drilled depth may be shallower or deeper than the 2900' shown above.

\*7" Intermediate casing will only be run if hole conditions require(Refer to Contigency Plan)
All casing will be new or inspected.

#### NORTH CHAPITA 232-33 SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 5. Float Equipment:

#### Surface Hole Procedure (0'- 2900'±)

Guide Shoe Insert Float Collar (PDC drillable) Centralizers: 1-5' above shoe, top of its.

#### Intermediate Hole Procedure\* (0'- 7500'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of its. #2 and #3 then every 5<sup>th</sup> joint with 15 total.

#### **Production Hole Procedure (0'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface.  $4-\frac{1}{2}$ ", 11.6#, P-110 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint with 15 total being ran. Thread lock float shoe, top and bottom of float collar, and top of  $2^{nd}$  joint.

#### 6. MUD PROGRAM

#### **Surface Hole Procedure (Surface - 2900'±):**

Air/air mist or aerated water.

#### Intermediate Hole Procedure\* (2900' - 7500'±):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed-loop mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition.

#### **NORTH CHAPITA 232-33**

# SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### <u>Production Hole Procedure (7500'± - TD):</u>

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

7500'± - TD

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum

#### 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- o EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

#### 8. EVALUATION PROGRAM:

**Logs:** Mud log from base of surface casing to TD.

**Cased-hole Logs**: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Pulsed Neutron** 

#### 9. CEMENT PROGRAM:

A. With Intermediate Casing String (Refer to Contingency Plan)
Surface Hole Procedure (Surface - 2900'±):

Tail: 770\* sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

#### **NORTH CHAPITA 232-33**

#### SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. **UINTAH COUNTY, UTAH**

5.2 gps water.

**Top Out:** As necessary for cement to surface with Class "G" cement with 2% CaCl<sub>2</sub>, 1/4#/sk

Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

\*Does not include excess.

#### Intermediate Hole Procedure\* (Surface - 7500'±):

Lead: 307 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>,

3 lb/sx GR3 1/4 #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail: 500 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail

cement to 400'above the Wasatch formation and are based on gauge hole with

50% excess.

#### **Production Hole Procedure (Surface'± - TD)**

Lead: 101 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

Tail: 745 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant),

mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

Note: The above number of sacks is based on gauge-hole calculation with 50% excess.

> Lead volume to be calculated to bring cement to 400'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch Formation.

#### **B.** Without Intermediate Casing

#### Surface Hole Procedure (Surface - 2900'±):

Tail: 717\* sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

5.2 gps water.

**Top Out:** As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6

ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

\*Does not include excess.

#### **Production Hole Procedure (Surface'± - TD)**

#### **NORTH CHAPITA 232-33**

### SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

**Lead:** 223 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

Tail: 1680 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant),

mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note**: The above number of sacks is based on gauge-hole calculation with 50% excess.

Lead volume to be calculated to bring cement to 400'± above 9-5/8" casing shoe.

Tail volume to be calculated to bring cement to 400'± above top of Price River Formation.

Cement volumes are based upon gauge-hole plus 50% excess.

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - 2900'±):

Lost circulation

#### <u>Intermediate Hole\* (2900' - 7500'±):</u>

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

#### Production Hole (7500'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

#### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

#### 12. <u>HAZARDOUS CHEMICALS:</u>

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

#### 13. Air Drilling Operations:

#### **NORTH CHAPITA 232-33** SW/SW, SEC. 33, T8S, R22E, S.L.B.&M..

#### **UINTAH COUNTY, UTAH**

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 90' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Mouse and Rat Hole will be pre-set.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

#### **Contingency Plan**

EOG Resources will set surface casing to the specified depth as per the Casing Program. Through the surface casing, EOG will drill a 8.75" hole to +/- 7500'. At this point, EOG will determine whether wellbore conditions will require the use of a 7" intermediate casing string in order to reach TD. Hole conditions that may be encountered are sloughing/swelling shales, key seat development, and lost circulation. Determination to run intermediate casing will be made by the EOG Resources Drilling Engineer, Drilling Superintendent, and Drilling Manager. In the event that intermediate casing is run, all regulatory agencies will be properly notified. If intermediate casing is run, EOG Resources will properly cement the casing and drill the production hole with a 6.125" bit. If intermediate casing is not run, EOG will remove the 8.75" bit and drill the remainder of the hole with 7.875" bit. Production casing will be used as per the Casing Program. Production casing will be properly cemented in place as per the Cement Program. For clarity the Casing Program is shown below.

#### **CASING PROGRAM:**

CASING	Hole Size	<u>Length</u>	<u>Size</u>	WEIGH T	<u>Grade</u>	Thread	Rating Collapse	Factor Burst	<u>Tensile</u>
Conductor	24"	0 – 90'	16"						
Surface	12.25"	0 - 2900'KB±	9.625"	36.0#	J-55	STC	2,020	3,520	394,000#
Intermediate*	8.75"	0 - 7500' KB ±	7"	23.0#	HCP-110	LTC	5,470	8,710	590,000#
Production	6.125"	Surface - TD	4.5"	11.6#	P-110	LTC	7,560	10,690	279,000#

# T8S, R22E, S.L.B.&M

1967 Brass Cap 0.7' High

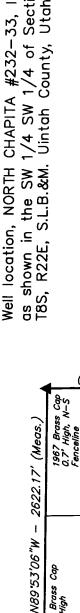
- 2615.37' (Meas.)

N89.53'48"W

1967 Brass Cap Flush W/ Ground

Z680.70° (Meds.)

- M., 17, ZZ.OON



Well location, NORTH CHAPITA #232-33, located as shown in the SW 1/4 SW 1/4 of Section 33, T8S, R22E, S.L.B.&M. Uintah County, Utah.

EOG RESOURCES, INC.

# BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

7988.35° (Meas.)

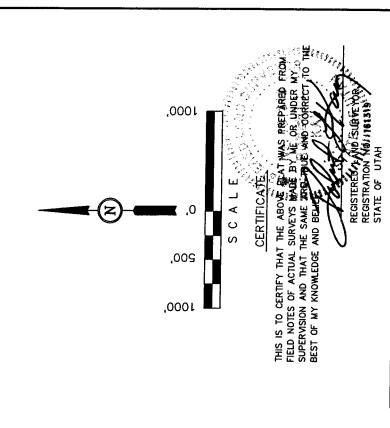
- M., 10,85.00N

1967 Brass Cap 0.8' High, N-S Fenceline

 $\omega$ 

1968 Brass Cap 1.2' High, Pile of Stones

Z81.30' (Meds.)



NOO.27.07"W - 2701.35' (Meas.)

# VERNAL, UTAH 84078 & LAND SURVEYING (435) 789-1017Engineering 200 EAST UINTAH 85 SOUTH

*T8S* 

2626.72' (Meas.,

N8972'43"W

2642.02' (Meas.,

N89.45,56"W

-1967 Brass Cap, 0.8' High, Set Stone, Steel Post

1967 Brass Cap 1.3' High, Set Stone, Cedar Post

189

= 4843

Elev. Ungraded Ground

804,

- M., 17,52.00N

NORTH CHAPITA #232-33

1967 Brass Cap 1.3' High, N–S Fenceline, Cedar Post

SCALE 1000' DA	PART	G.S. T.B. K.G.	WEATHER	0881) COOL   EOO   EOO
LATITUDE = 40°04'27.40" (40.074278)	LONGITUDE = $109^{\circ}27^{\circ}05.64^{\circ}$ ( $109.451567$ )	(MAD 27)	ONGITION	LONGIODE - 109 27 03.17 (109.4

SECTION CORNERS LOCATED.

= PROPOSED WELL HEAD.

90. SYMBOL

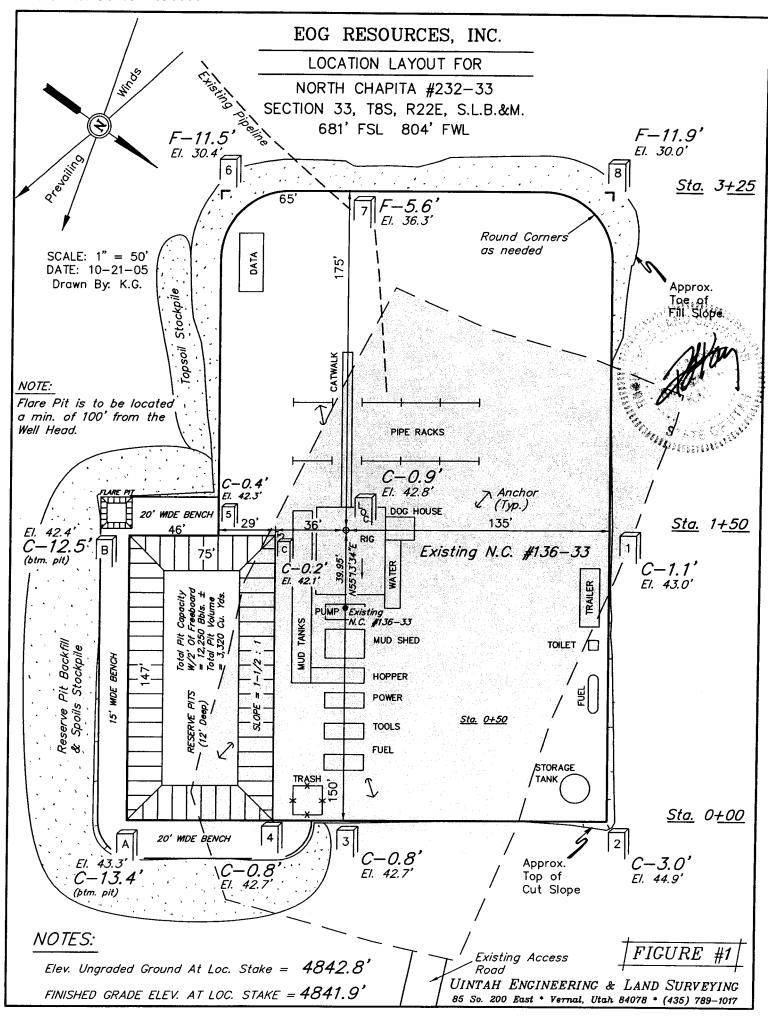
EGEND:

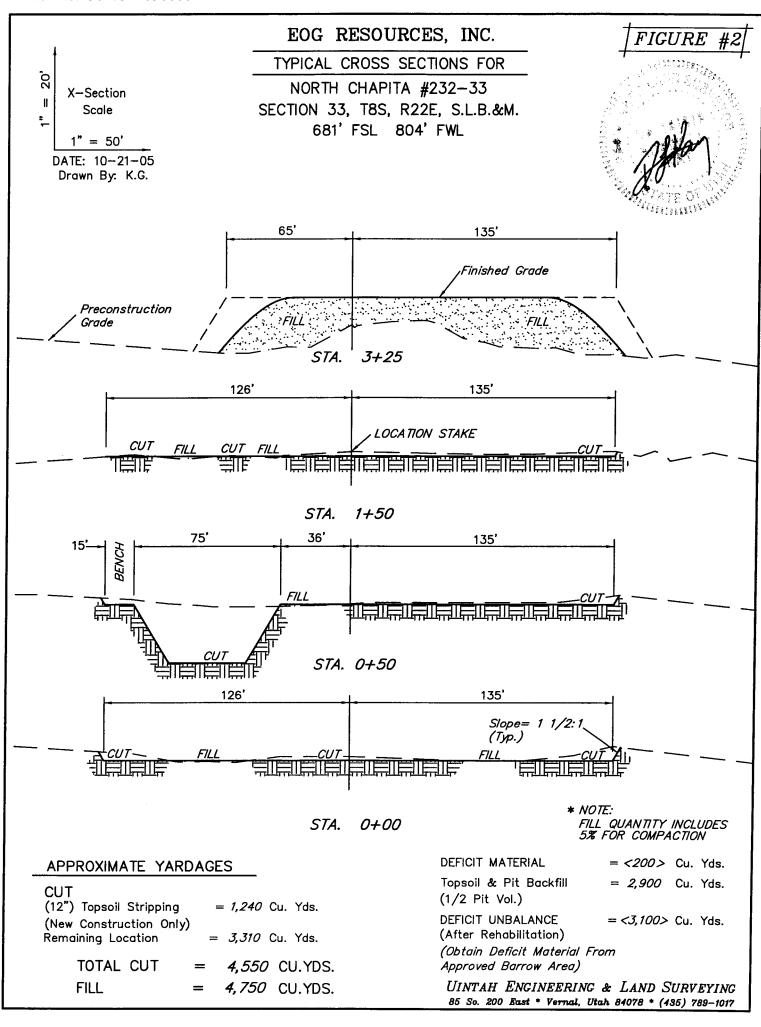
10-21-05

S S

DATE DRAWN:

BASIS OF BEARINGS	BASIS OF BEARINGS IS A G.P.S. OBSERVATION	(NAD 83)	LATITUDE = $40.04'27.40"$ ( $40.074278$ )	LONGITUDE = $109^27'05.64$ " ( $109.451567$ )	(NAD 27)
-------------------	---	----------	---	---	----------





# EOG RESOURCES, INC. NORTH CHAPITA #232-33

LOCATED IN UINTAH COUNTY, UTAH SECTION 33, T8S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHWESTERLY** 

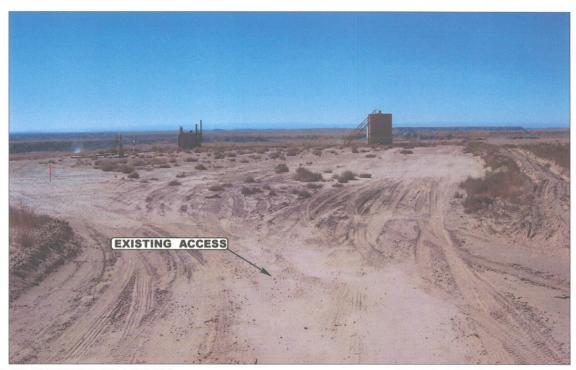


PHOTO: VIEW OF EXISTING ACCESS

**CAMERA ANGLE: SOUTHWESTERLY** 

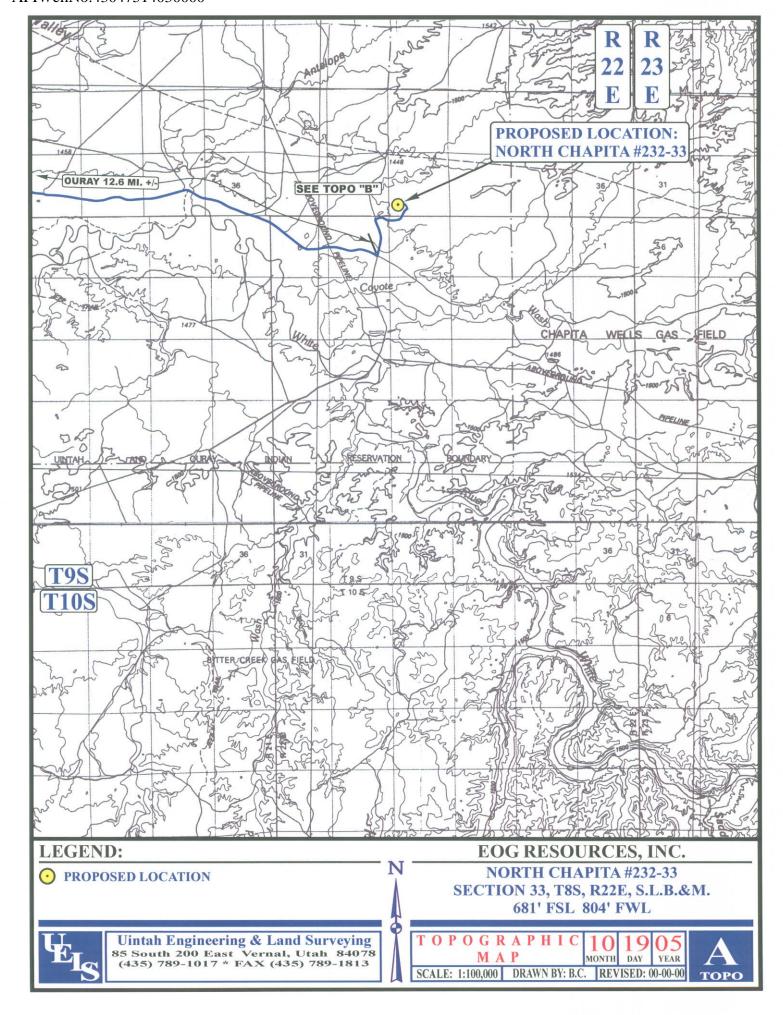
**РНОТО** 

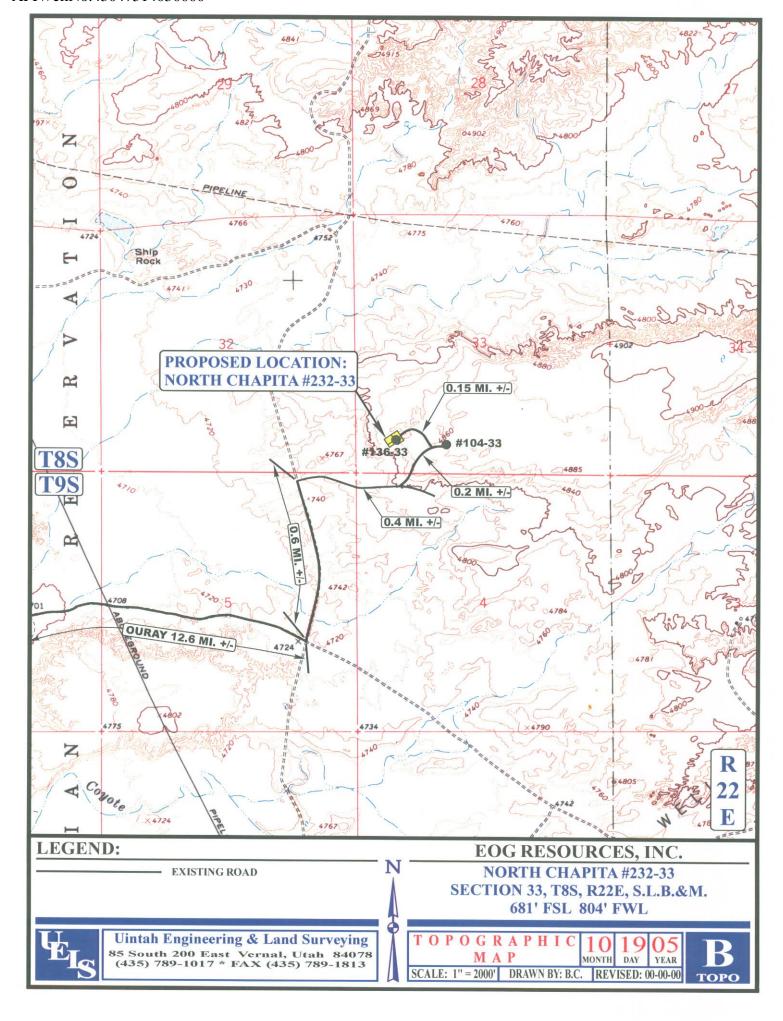


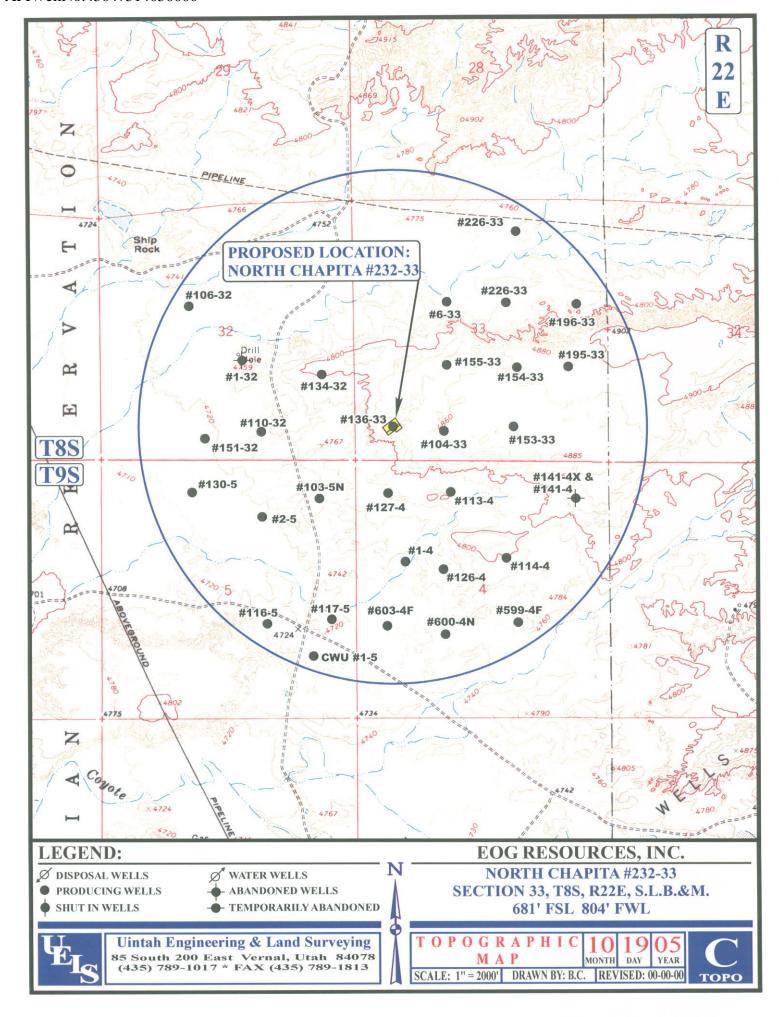
LOCATION PHOTOS

10
MONTH
DAY
YEAR

TAKEN BY: T.B. | DRAWN BY: B.C. | REVISED: 00-00-00









#### North Chapita 232-33 SWSW, Section 33, T8S, R22E Uintah County, Utah

#### SURFACE USE PLAN

#### 1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 45.0 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. No new Road Construction will be required; the existing access road for the North Chapita 136-33 will be used to access the proposed well site.
- B. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

#### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl and/or one (1) 300 bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

#### B. Off Well Pad

1. No new off-pad pipeline will be required. The existing pipeline for North Chapita 136-33 will be used to transport gas from the proposed location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)).
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled.

#### 6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

#### 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined and dried in a cuttings pit. Dried cuttings shall be spread on the location and access road.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, CWU 550-30N SWD, CWU 2-29 SWD, Red Wash Evaporation Ponds 1, 2, 3, 4, 5, 6, or 7, Coyote Evaporation Ponds 1, 2, 3, or 4, White River Evaporation Ponds 1 or 2 or Hoss SWD Facility, right-of-way UTU 86010, UTU 897093 or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit, Brennan Bottoms & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either natural or artificial evaporation methods, or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilled utilizing a closed loop system. The closed loop system will be installed in a manner that prevents leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50' x 100'. The surface drill cuttings pit will be bermed and lined with bentonite. Drill cuttings will be dried and spread on the location and access road. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and

production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

#### 8. ANCILLARY FACILITIES:

None anticipated.

#### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The proposed location will be drilled utilizing a closed loop system.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil will be layered and seeded in accordance with EOG's BLM approved Reclamation Plan.

Access to the well pad will be from the east.

#### 10. Plans for Reclamation of the Surface:

#### A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3. The closed loop area will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow.

Reclamation will be conducted in accordance to EOG Resources Reclamation Plan (Attached).

#### B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the Ute Indian Tribe, Bureau of Indian Affairs and Bureau of Land Management will attach the appropriate surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

#### **Ute Indian Tribe**

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from BLM, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM/Tribal lands after the conclusion of drilling operations or at any other time without BLM/Tribal authorization. However, if BLM/Tribal authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (There are commercial facilities available for stacking and storing drilling rigs.)
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants on 11/28/2005, State of Utah Antiquities Project survey Permit No. U-05-MQ-1318i. A paleontological survey was conducted and will be submitted by Intermountain Paleo-consulting. A biological survey was conducted and submitted by Grasslands Consulting.

Page 7

#### **Additional Surface Stipulations:**

Firearms are prohibited (to all Non-Ute Tribal members). This land is owned by the Uintah and Ouray Indian Reservation. Permits to cut firewood must be obtained from a B.I.A. Forestry Section prior to cutting or gathering any wood along this road.

#### LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

#### **PERMITTING AGENT**

Kaylene Gardner EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

Page 9

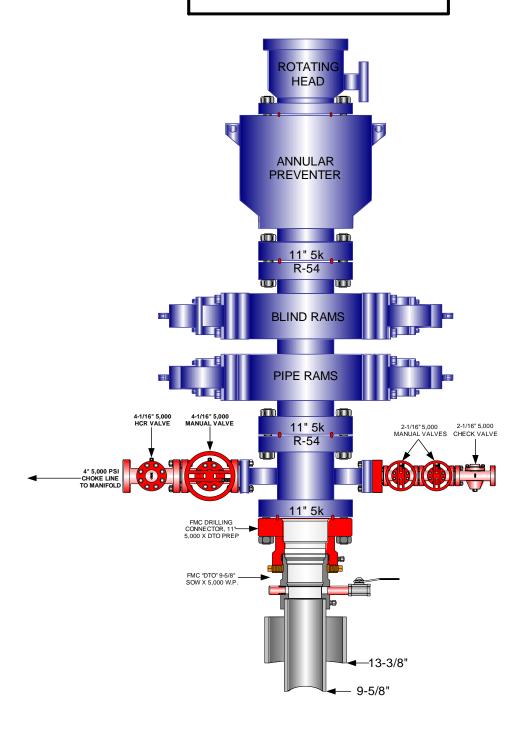
#### **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG	Resources, Inc. is considered to be the operator of the North
•	in the SWSW, of Section 33, T8S, R22E, Uintah County, Utah;
•	nd is responsible under the terms and conditions of the lease upon the leased lands. Bond Coverage is under Bond # NM
2308.	upon the leased lands. Bond Coverage is under Bond # Nivi
Date 11/29/2010	Kaylene Gardner, Regulatory Administrator

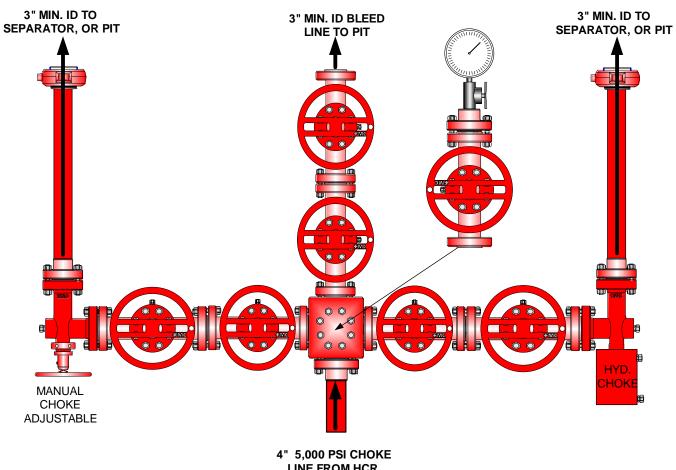
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

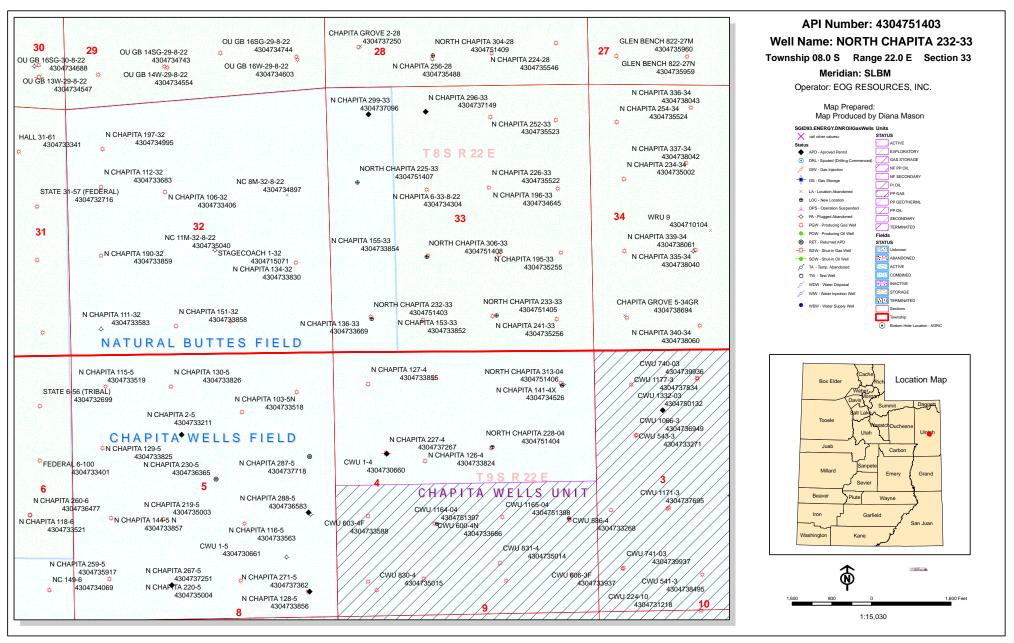
PAGE 2 0F 2



#### 4" 5,000 PSI CHOKE LINE FROM HCR VALVE

#### **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



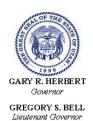
#### WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 12/13/2010 **API NO. ASSIGNED:** 43047514030000 WELL NAME: NORTH CHAPITA 232-33 **OPERATOR:** EOG Resources, Inc. (N9550) **PHONE NUMBER:** 435 781-9157 **CONTACT:** Nanette Lupcho PROPOSED LOCATION: SWSW 33 080S 220E Permit Tech Review: **SURFACE:** 0681 FSL 0804 FWL **Engineering Review: BOTTOM:** 0681 FSL 0804 FWL Geology Review: **COUNTY: UINTAH LATITUDE:** 40.07427 **LONGITUDE:** -109.45089 **UTM SURF EASTINGS: 632095.00** NORTHINGS: 4436940.00 FIELD NAME: NATURAL BUTTES **LEASE TYPE:** 1 - Federal **LEASE NUMBER: UTU43916** PROPOSED PRODUCING FORMATION(S): MESA VERDE SURFACE OWNER: 2 - Indian **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:**  PLAT R649-2-3. **▶ Bond:** FEDERAL - NM2308 **Unit: Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 173-16 Water Permit: 49-225 **RDCC Review:** Effective Date: 1/14/2000 Siting: 460' Fr Ext Drl U Bdry & 920' Fr Other Wells **Fee Surface Agreement Intent to Commingle** R649-3-11. Directional Drill **Commingling Approved** Comments: Presite Completed

Stipulations:

4 - Federal Approval - dmason

API Well No: 43047514030000



#### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

#### Permit To Drill

\*\*\*\*\*\*

Well Name: NORTH CHAPITA 232-33

**API Well Number:** 43047514030000

**Lease Number:** UTU43916 **Surface Owner:** INDIAN **Approval Date:** 12/21/2010

#### Issued to:

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-16. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available) OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month

API Well No: 43047514030000

- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas Sundry Number: 20597 API Well Number: 43047514030000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9
	DIVISION OF OIL, GAS, AND MINING	3	<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU43916
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepen exist gged wells, or to drill horizontal laterals. Use A	ting wells below current PPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047514030000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	<b>PHONE N</b> II, UT, 84078 435 781-9111 E		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	P, RANGE, MERIDIAN: Township: 08.0S Range: 22.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
✓ NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
11/22/2011	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Julio di Moin Completioni	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
·	□ WILDCAT WELL DETERMINATION □	OTHER	OTHER:
EOG Resources, Inc.	MPLETED OPERATIONS. Clearly show all pertinen respectfully requests the APD for extended for one year.	the referenced well be	
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBER</b> 307 276-4842	TITLE Regulatory Assistant	
SIGNATURE N/A		DATE 11/22/2011	

Sundry Number: 20597 API Well Number: 43047514030000



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047514030000

**API:** 43047514030000

Well Name: NORTH CHAPITA 232-33

Location: 0681 FSL 0804 FWL QTR SWSW SEC 33 TWNP 080S RNG 220E MER S

**Company Permit Issued to:** EOG RESOURCES, INC.

**Date Original Permit Issued:** 12/21/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes </li> <li>No</li> </ul>
• Has the approved source of water for drilling changed? 🔘 Yes 🌘 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?

Signature: Michelle Robles Date: 11/22/2011

**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

Sundry Number: 21112 API Well Number: 43047514030000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU43916		
SUNDR	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use	isting wells below current APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047514030000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	<b>PHONE</b> il, UT, 84078 435 781-9111	NUMBER: Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	P, RANGE, MERIDIAN: 3 Township: 08.0S Range: 22.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
12/8/2011	CHANGE WELL STATUS	commingle producing formations	CONVERT WELL TYPE
		1	
SUBSEQUENT REPORT Date of Work Completion:	L DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	☐ APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER:
12 DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pertin	ent details including dates, denths, v	volumes etc
EOG Resources, Inc.	respectfully requests authorizat Plan as per the attached.	ion to change the Drilling	]
NAME (PLEASE PRINT) Mickenzie Gates	PHONE NUMBER 435 781-9145	TITLE Operations Clerk	
SIGNATURE	133 /01 3173	DATE	
N/A		12/8/2011	

Sundry Number: 21112 API Well Number: 43047514030000

#### **DRILLING PLAN**

#### **NORTH CHAPITA 232-33**

# SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,933		Shale	
Birdsnest Zone	2,265			
Mahogany Oil Shale Bed	2,870		Shale	
Wasatch	5,284		Sandstone	
Chapita Wells	5,926	Secondary	Sandstone	
Buck Canyon	6,604	Primary	Sandstone	Gas
North Horn	7,293	Primary	Sandstone	Gas
KMV Price River	8,063	Primary	Sandstone	Gas
KMV Price River Middle	8,838	Primary	Sandstone	Gas
KMV Price River Lower	9,633	Primary	Sandstone	Gas
Sego	10,186	Secondary	Sandstone	Gas
KMV Castlegate	10,337		Sandstone	
Base Castlegate SS	10,570		Sandstone	
KMV Black Hawk	10,719	Primary	Sandstone	Gas
TD	11,180			

Estimated TD: 11,180 or 200'± below TD

Anticipated BHP: 6,976

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 1,933 ft ±.
- 2. Cement to be installed to surface of the well isolating all zones.

#### 3. PRESSURE CONTROL EQUIPMENT:

Intermediate/Production Hole – 5000 psi BOP schematic diagrams attached.

#### 4. CASING PROGRAM:

All casing will be new or inspected.

#### Note:

- 12-¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased with 9-5%" casing to that depth as detailed below. Drilled depth may be shallower or deeper than the 2850' shown below, depending on the actual depth of the loss zone.
- Below the 9 5/8" surface casing EOG will drill an 8.75" hole to ± 7500'. At this point, EOG will determine whether wellbore conditions encountered (sloughing/swelling shales, key seat development, and lost circulation) will warrant running a 7" intermediate casing string to this depth in order to reach the proposed TD for the well. Determination to run intermediate casing will be made by the EOG Resources Drilling Engineer, Drilling Superintendent, and Drilling Manager. In the event that intermediate casing is run, all regulatory agencies will be properly notified. If intermediate casing is run, EOG Resources will properly cement the 7" casing, then drill the remaining production hole below it to TD with a 6.25" bit and run and cement 4 ½" production casing at TD. If

Sundry Number: 21112 API Well Number: 43047514030000

#### **DRILLING PLAN**

#### **NORTH CHAPITA 232-33**

## SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 4. CASING PROGRAM (cont'd):

intermediate casing is not needed, EOG will remove the 8.75" bit at  $\pm$  7500' and drill the remainder of the production hole with a 7.875" bit to TD, then run and cement 4  $\frac{1}{2}$ " production casing at TD. Casing string and cementing details for these options are shown in the Casing Program and Cement Program sections below.

#### If Intermediate Casing string is required, casing program will be as follows:

Casing	Hole Size	<u>Length</u>	Size	Weight	<u>Grade</u>	Thread	Collapse Rating	Burst Rating	Tensile Rating
Conductor	20"	0 – 60'	14"	48.0#	H-40	STC	770 psi	1,730 psi	322,000#
Surface	12.25"	0 – 2850' KB±	9.625"	36.0#	J-55	STC	2,020 psi	3,520 psi	394,000#
Intermediate	8.75"	0 - 7500' KB±	7"	23.0#	HC N-80	LTC	5,650 psi	6,340 psi	485,000#
Production	6.25"	Surface - TD	4.5"	11.6#	HC P-110	LTC	8,650 psi	10,690 psi	279,000#

#### If Intermediate Casing string is not run, casing program will be as follows:

Casing	Hole Size	<u>Length</u>	<u>Size</u>	Weight	Grade	Thread	Collapse Rating	<u>Burst</u> Rating	Tensile Rating
Conductor	20"	0 – 60'	14"	48.0#	H-40	STC	770 psi	1,730 psi	322,000#
Surface	12.25"	0 – 2850' KB±	9.625"	36.0#	J-55	STC	2,020 psi	3,520 psi	394,000#
Production	8.75" / 7.875"	Surface - TD	4.5"	11.6#	HC P-110	LTC	8,650 psi	10,690 psi	279,000#

#### 5. FLOAT EQUIPMENT:

#### Surface Casing (0'- 2850'±)

Guide Shoe Insert Float Collar

Centralizers: 1 in middle of shoe joint, then top of every joint for next 7 joints. (8 total)

#### Intermediate Casing (0'- 7500'±) (If Run)

Float shoe, 1 joint of casing, float collar and balance of casing to surface. Conventional bow-spring centralizer to be placed 5' above shoe on joint #1 and on top of joints #2 & #3, then every 5<sup>th</sup> joint to 400' above the top of the Wasatch. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### **Production Casing (0' - TD):**

Float shoe, 1 joint of casing, float collar and balance of casing to surface. 4-½", 11.6#, HC P-110 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. 1 turbulizer to be placed 5' above shoe on joint #1 and on the middle of joints #2 & #3. Conventional bow-spring centralizer on top of joint #4, then every 3<sup>rd</sup> joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

8 point plan-EOG 2 12/8/2011

### **DRILLING PLAN**

## NORTH CHAPITA 232-33 SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 6. MUD PROGRAM:

#### Surface Hole (Surface - 2850'±):

Air/Air mist/Aerated water\* (\*A standby water source will be available at all times to act as a kill medium when conducting air drilling operations)

OI

A closed-loop system utilizing a gelled bentonite mud will be employed.

LCM sweeps, additions, etc. will be used as necessary.

#### Intermediate Hole (2850' - 7500'±):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed-loop mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition.

## Production Hole (7500'± - TD):

Anticipated mud weight 9.5 - 12.0 ppg depending on actual wellbore conditions encountered while drilling.

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <10cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum

## 7. VARIANCE REQUESTS:

## Reference: Onshore Oil and Gas Order No. 1 Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

#### 8. EVALUATION PROGRAM:

Cased-hole Logs:

Cased-hole logs will be run in lieu of open-hole logs consisting of the following: Cement Bond / Casing Collar Locator and Pulsed Neutron

#### **DRILLING PLAN**

## NORTH CHAPITA 232-33 SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM:

#### Surface Casing (Surface - 2850'±):

**Lead:** Lead volume to be calculated to bring cement from 500' above casing shoe to surface. Lead cement will be:

180 sx. HES VariCem (Type III) + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive), mixed at 10.5 ppg, 4.10 cfps, 26.88 gps fresh water

**Tail:** Tail volume to be calculated to bring cement 500' above casing shoe. Tail cement will be:

133 sx. HES HalCem (Type V) + 2% CaCl<sub>2</sub> (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

**Top Out:** As necessary with:

HES HalCem (Type V) + 2% CaCl<sub>2</sub> (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 70% excess on the lead slurry and gauge hole + 100% excess on the tail slurry.

#### Intermediate Casing (2850'± - 7500'±) (If Run)

**Lead:** Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at intermediate casing point and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- 135 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water
- 160 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water
- 185 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water
- 210 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water

If lead slurry weight required is 13.0 ppg, cement will be:

210 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

**Tail:** Tail volume to be calculated to bring cement from 7500'± to 400' above top of Wasatch Formation. Tail cement will be:

270 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: Above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 50% excess on lead slurry, gauge hole + 70% excess on the tail slurry.

#### **DRILLING PLAN**

## NORTH CHAPITA 232-33 SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM (cont'd):

#### Production Casing (7500'± - TD) (With Intermediate Casing String Run)

Slurry volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation inside the 7" X 4 ½" casing annulus. Cement will be:

755 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive) + 0.1% HR-5 (Retarder), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole + 70% excess in the open hole and 0% excess in the 7" X 4  $\frac{1}{2}$ " casing annulus.

#### Production Casing (2850'± - TD) (Without Intermediate Casing String)

**Lead:** Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at well TD and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- 275 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water
- 325 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water
- 375 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water
- 430 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water

If lead slurry weight required is 13.0 ppg, cement will be:

425 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive) + 0.1% HR-5 (Retarder), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water

**Tail:** Tail volume to be calculated to bring cement from TD to 400' above top of Wasatch Formation. Tail cement will be:

1120 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive) + 0.1% HR-5 (Retarder), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water

Note: The above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 50% excess on the lead slurry and gauge hole plus 70% excess on the tail slurry.

#### **DRILLING PLAN**

## NORTH CHAPITA 232-33 SW/SW, SEC. 33, T8S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - 2850'±):

Lost circulation

#### Intermediate / Production Hole (2850'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation. Black Hawk formation pressure 12.0 ppg EMW.

#### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

#### 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

#### 13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head

(Attachment: BOP Schematic Diagram)

Form 3160-3 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPRO	VED
OMB N	No. 1004-	0137
Expires	July 31,	2010

	5.	Lease Serial No.	Lease Serial	
ı	171	142016	142016	

APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tribe UTE INDIAN TRIBE	Name				
la. Type of work:  DRILL  REENTI	7. If Unit or CA Agreement, N	lame and No.				
lb. Type of Well: Oil Well Gas Well Other	8. Lease Name and Well No. North Chapita 232-33					
2. Name of Operator EOG Resources, Inc.	9. API Well No. 43 · 047 · 5 14	03				
3a. Address 1060 East Highway 40, Vernal UT 84078	10. Field and Pool, or Explorate NATURAL BUTTES	ory				
<ol> <li>Location of Well (Report location clearly and in accordance with an At surface 681' FSL, 804' FWL (SWSW) 40.074278 LAT At proposed prod. zone SAME</li> </ol>	11. Sec., T. R. M. or Bik.and St SEC 33 T8S, R22E, S.L.B	•				
14. Distance in miles and direction from nearest town or post office* 45.0 MILES FROM VERNAL		12. County or Parish UINTAH	13. State UT			
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease 1360	40	g Unit dedicated to this well			
B. Distance from proposed location* 516' 19. Proposed Depth to nearest well, drilling, completed, applied for, on this lease, ft.						
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4843' NAT GL	22. Approximate date work will star	rt*	23. Estimated duration 45 DAYS			
	24. Attachments					

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	DEC 0 1 2011
Sr Regulatory Administrator		
Jackey tady	Kaylene Gardner	11/29/2010
23. Shirtature	14une (17theurspeu)	Date

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

(Instructions on page 2)

NOS 8/5/10

AFMSS# 105450319B

DEC 0 2 2010

RECEIVED

BLM VERNAL, UTAH

DEC 1 4 2011

DIV. OF OIL, GAS & MINING



NOTICE OF APPROVAL
CONDITIONS OF APPROVAL ATTACHED



## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



## CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No: API No: EOG Resources, Inc. North Chapita 232-33

43-047-51403

Location:

SWSW, Sec.33, T8S R22E

Lease No: UTU-43916

Agreement:

N/A

**OFFICE NUMBER:** 

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut vn opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 8 Well: North Chapita 232-33 12/1/2011

## SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COA's)

#### **Site-Specific Conditions of Approval:**

- Applicant committed measures noted below are applied as Conditions of Approval
- Applicant Committed Measures

For the following purpose(s):

To construct the wellsite and access road for the North Chapita 232-33 on lands held in trust by the United States on behalf of the Tribe, and more particularly identified above.

The Grantor, Grantee, and the Tribe agree that this Agreement shall not be deemed or construed to expand or restrict the jurisdiction of the Tribe. In that regard, the Grantor, Grantee, and the Tribe agree that (i) no actions shall be taken that place the lands subject hereto under the control of the State of Utah; (ii) Tribe has reserved the right to exercise dominion and control over the lands covered hereby to the extent authorized by Federal law; and (iii) under no circumstances shall the Grantee or others authorize use of the lands subject to this Agreement by the public at large.

In consideration of this Agreement, the Grantee agrees to adhere to the provisions of this Agreement, any relevant lease or permit provisions, and applicable Tribal or Federal law, including but not limited to the SUAA.

This Agreement will remain in effect for a period of twenty (20) years. In addition, this Agreement may be renewed for an identical period by the Grantee pursuant to its rights-of-way renewal option as set forth in the SUAA.

The Grantee shall submit a certified map of the proposed Right-of-Way location, or other acceptable identification of the Right-of-Way as authorized by the SUAA, concurrent with Grantee's submission of the [mal executed version of this Agreement for approval by the BIA. The map or other acceptable identification of the Right-of-Way location shall adhere, as far as required under the terms of the SUAA

The Grantee agrees to utilize Grantee's existing Collective Oil and Gas Bond No. NM2308 to guarantee performance of this Agreement.

The Grantee agrees to contact immediately the BIA and the Bureau of Land Management if cultural resources are discovered during construction or anytime during the course of daily operations.

#### Grantee expressly agrees to the following:

- (a) To construct and maintain the right-of-way in a workmanlike manner.
- (b) To pay promptly all damages and compensation due the Tribe on account of the survey, granting, construction, and maintenance of the right-of-way if otherwise required under the SUAA.
- (c) To indemnify the Tribe and authorized users and occupants against any liability for loss of life, personal injury, and property damage arising from the construction, maintenance, occupancy or use of the land by the Grantee and its employees, contractors, and their employees or subcontractors and their employees in accordance with Section 9.2 of the SUAA.
- (d) To restore the lands as nearly as may be possible to their original condition upon the completion of construction to the extent compatible with the purpose for which the right-of-way was granted.

Page 3 of 8 Well: North Chapita 232-33 12/1/2011

- (e) To clear and keep clear the lands within the right-of-way to the extent compatible with the purpose for the right-of-way, and to dispose of all vegetative and other material cut, uprooted or otherwise accumulated during the construction and maintenance of the project.
- (f) To take soil and resource conservation and protection measures, including weed control, on the land covered by this Agreement.
- (g) To do everything reasonably within its power to prevent and suppress fires on or near the lands to be occupied under this Agreement.
- (h) To build and repair such roads, fences, and trails as may be destroyed or injured by construction work and to build and maintain necessary and suitable crossings for **all** roads and trails that intersect the works constructed, maintained or operated under this Agreement.
- (i) That upon revocation or termination of this Agreement, to, so far as is reasonably possible, restore the land to its original condition.
- (j) To at all times keep the Tribe informed of its address, and in the case of corporations, of the address of its principal place of business and of the name and addresses of its principal officers.
- (k) That Grantee will not interfere with the use of the lands by or under the authority of the Tribe for any purpose not inconsistent with the primary purpose(s) for which this Agreement is granted.
- (1) That Grantee will contact immediately the EMD and the Tribal Fish and Game Department in the event:
- cactus (See Appendix D) and conduct its operation according to its specifications.

#### **BIA Standard Conditions of Approval:**

Soil erosion will be mitigated by reseeding all disturbed areas.

- The gathering pipelines will be constructed to lie on the surface. The surface pipelines will not be bladed or cleared of vegetation. Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way. Where pipelines do not parallel roads but cross-country between sites, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.
- An open drilling system shall be used, unless otherwise specified in 10.0 Additional Stipulations
  of this document and in the Application for Permit to Drill. A closed drilling system shall be sued
  in all flood plain areas, and other highly sensitive areas, recommended by the Ute Tribe
  Technician, BIA, and other agencies involved.
- The reserve pit shall be lined with a synthetic leak proof liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed the pit shall be backfilled a minimum of 3.0' below the soil surface elevation.
- A closed production system shall be used. This means all produced water and oil field fluid
  wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either
  approved injection wells or disposal pits.
- Major low water crossings will be armored with pit run material to protect them from erosion.
- All personnel should refrain from collecting any paleontological fossils and from disturbing any fossil resources in the area.

Page 4 of 8 Well: North Chapita 232-33 12/1/2011

- If fossils are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.
- Before the site is abandoned the company will be required to restore the right-of-way to near its
  original state. The disturbed area will be reseeded with desirable perennial vegetation. If
  necessary, the Bureau of Indian Affairs or Bureau of Land Management will provide a suitable
  seed mixture.
- Noxious weeds will be controlled on all surface disturbances within the project area. If noxious
  weeds spread from the project area onto adjoining land, the company will also be responsible
  for their control.
- If project construction operations are scheduled to occur after December 31, 2009, KMG should conduct annual raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix E) and conduct its operations according to applicable seasonal restrictions and spatial offsets.
- USFWS threatened and endangered plant and animal conservation measures will be followed, as appropriate to the species identified by the biological resource survey (See Appendix E).
- All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
- If artifacts or any culturally sensitive materials are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.

Page 5 of 8 Well: North Chapita 232-33 12/1/2011

### DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- Electronic/mechanical mud monitoring equipment shall be required, from surface casing shoe to TD, which shall include as a minimum: pit volume totalizer (PVT); stroke counter; and flow sensor.
- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

## DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
  daily drilling report. Components shall be operated and tested as required by Onshore Oil &
  Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
  performed by a test pump with a chart recorder and NOT by the rig pumps. Test shall be
  reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
  is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
  Vernal Field Office.

Page 6 of 8 Well: North Chapita 232-33 12/1/2011

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 7 of 8 Well: North Chapita 232-33 12/1/2011

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will
  be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be
  reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major
  Events" will be reported in writing within 15 days. "Minor Events" will be reported on the
  Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

 All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

5 ° . - 5 \* 4 %

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
  Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
  and all future meter proving schedules. A copy of the meter calibration reports shall be
  submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
  standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
  measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior
  approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
  days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
  before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

SUNDF  Do not use this form for proposition bottom-hole depth, reenter plud price proposals.  1. TYPE OF WELL Gas Well  2. NAME OF OPERATOR: EOG Resources, Inc.  3. ADDRESS OF OPERATOR: 1060 East Highway 40, Vernal 4. LOCATION OF WELL	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU43916  6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE  7.UNIT OR CA AGREEMENT NAME:  8. WELL NAME and NUMBER: NORTH CHAPITA 232-33  9. API NUMBER: 43047514030000  9. FIELD and POOL OR WILDCAT: NATURAL BUTTES  COUNTY:		
FOOTAGES AT SURFACE: 0681 FSL 0804 FWL QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	STATE: UTAH		
TYPE OF SUBMISSION	CK APPROPRIATE BOXES TO INDICATE	TYPE OF ACTION	OK OTTEK DATA
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  MPLETED OPERATIONS. Clearly show all pertices of the performance of the performa		CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER:
NAME (DI FACE DOTAT)	DUONE NIIMDED	TITLE	
NAME (PLEASE PRINT) Nanette Lupcho SIGNATURE	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant  DATE	
N/A		12/21/2011	

	FORM 9  5.LEASE DESIGNATION AND SERIAL NUMBER:				
	UTU43916				
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE				
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use	isting wells below current APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047514030000		
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		NUMBER: Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	I <b>P, RANGE, MERIDIAN:</b> 3 Township: 08.0S Range: 22.0E Meridian: S		COUNTY: UINTAH STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,			
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE ☐	ALTER CASING	☐ CASING REPAIR		
☐ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME		
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	☐ APD EXTENSION		
12/21/2011	☐ WILDCAT WELL DETERMINATION ☐		OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  No activity has occurred since spud on 12/20/2011.					
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant			
SIGNATURE N/A		<b>DATE</b> 12/21/2011			

## DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Cor	npany; _	EO(	G RES	<u>OURCES</u>	INC_			
Well Name:		NO	RTH (	CHAPTA 2	232-33			<del></del> -
Api No:	43-04	7-51403		Lease Typ	e	FED	ERAL	<u>.</u>
Section 33	Town	ship <u>08S</u>	Rang	ge_22E	Count	yUI	NTAH	
Drilling Con	itractor _	CRAIG'S	ROUS	TABOUT	SERV	_RIG #_	BUCKET	
SPUDDE	D:							
	Date	12/20	0/2011					
	Time	3:00	PM					
	How	DR	Y					
Drilling wi Commenc			<del></del>					
Reported by_		]	KYLA	N COOK				
Telephone #_			(435) 7	790-8236				_
Date	12/21/20	)11Sign	ned	CHD				

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

			ENTITY ACTIO	N FORM				
Operator:	EOG	Resources, Inc.		One	rator Ac	count N	umber: _!	y 9550
		East Highway 40	way 40				arnoor. <u>I</u>	
	city V	emal	<del></del> , •					
	state	UT	<sub>zip</sub> 84078	<del></del>	F	Phone Nu	ımber: _	435) 781-9145
Well 1								
API No	ımber	Well	Name	QQ	Sec	Twp	Rng	County
43-047	-51403	NORTH CHAPITA 2	32-33	swsw	33	88	22E	UINTAH
Action	Code	Current Entity Number	New Entity Number	S	Spud Date		Entity Assignment Effective Date	
A		99999	18352	12/20/2011		12/21/11		
Commen	ts: MES	AVERDE						7017

Well 2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number		 Spud Da	te	En	l tity Assignment Effective Date
Comments:				· · · · · · · · · · · · · · · · · · ·			

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:					_		

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED

Nanette Lupcho

Regulatory Assistant

Title

12/21/2011

Date

DEC 2 1 2011

Sundry Number: 21444 Approval of This: 43047514030000

Action is Necessary

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9		
	; NG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU43916			
SUND	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
	sals to drill new wells, significantly deepen ex ugged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047514030000		
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		ENUMBER: Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	IP, RANGE, MERIDIAN: 3 Township: 08.0S Range: 22.0E Meridian: S		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE ☐	ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start: 12/20/2011	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
	☐ PRODUCTION START OR RESUME	☐ PLUG AND ABANDON ☐ RECLAMATION OF WELL SITE	☐ PLUG BACK ☐ RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
Date or Spud:	TUBING REPAIR  TUBING TUBING TEPAIR	UENT OR FLARE	✓ WATER DISPOSAL		
☐ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date:	<u> </u>	OTHER	OTHER:		
12 DESCRIPT PROPOSED OF SE			<u> </u>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. respectfully requests authorization for the disposal of produced water at the following locations: NBU 20-20B SWD, CWU 550-30N  SWD & CWU 2-29 SWD ROW# UTU85038, Red Wash Evaporation Ponds Accepted by the 1,2,3,4,5,6&7, White River Evaporation Ponds 1&2, Hoss SWD Wells ROW#Utah Division of UTU86010 & UTU897093 and Coyote 1-16 SWD  Oil, Gas and Mining  FOR RECORD (ONLY)					
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant			
SIGNATURE N/A		<b>DATE</b> 12/21/2011			

Sundry Number: 21103 Approval of this: 43047514030000

Action is Necessary

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE		FORM 9			
	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU43916					
SUNDE	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deeper igged wells, or to drill horizontal laterals.	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33			
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047514030000			
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		DNE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	IP, RANGE, MERIDIAN: 3 Township: 08.0S Range: 22.0E Meridian	: S	STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR			
✓ NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME			
12/8/2011	☐ CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. requests authorization for commingling of production from the Wasatch and Mesaverde formations in the referenced wellbore. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from cased-hole logs. Production from the Wasatch and Mesaverde formations will be commingled in the wellbore and produced through open-ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing. Attached is a map showing the location of application has been provided to owners of all contiguous oil and gas leases or drilling units and an affidavit showing that this application has been provided to owners of all contiguous oil and gay:  leases or drilling units overlying the pool.						
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBER</b> 435 781-9157	TITLE Regulatory Assistant				
SIGNATURE N/A		<b>DATE</b> 12/8/2011				

Sundry Number: 21103 API Well Number: 43047514030000 Action is Necessary



## The Utah Division of Oil, Gas, and Mining

State of UtahDepartment of Natural Resources

**Electronic Permitting System - Sundry Notices** 

**Sundry Conditions of Approval Well Number 43047514030000** Authorization: Board Cause No. 173-16.

STATE OF UTAH )

) ss

Federal Approval of this Action is Necessary

COUNTY OF UINTAH )

## **VERIFICATION**

Nanette Lupcho, of lawful age, being first duly sworn upon oath, deposes and says:

She is the Regulatory Assistant for EOG Resources, Inc., of Vernal, Utah. EOG Resources, Inc. is the operator of the following described well:

## NORTH CHAPITA 232-33 681' FSL – 804' FWL (SWSW) SECTION 33, T8S, R22E UINTAH COUNTY, UTAH

EOG Resources, Inc., is the only owner in the well and/or of all contiguous oil and gas leases or drilling units overlying the pool.

On the 8<sup>th</sup> day of December, 2011 she placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining, and Bureau of Land Management.

Further affiant saith not.

Nanette Lupcho

Regulatory Assistant

Subscribed and sworn before me this 8th day of December, 2011.

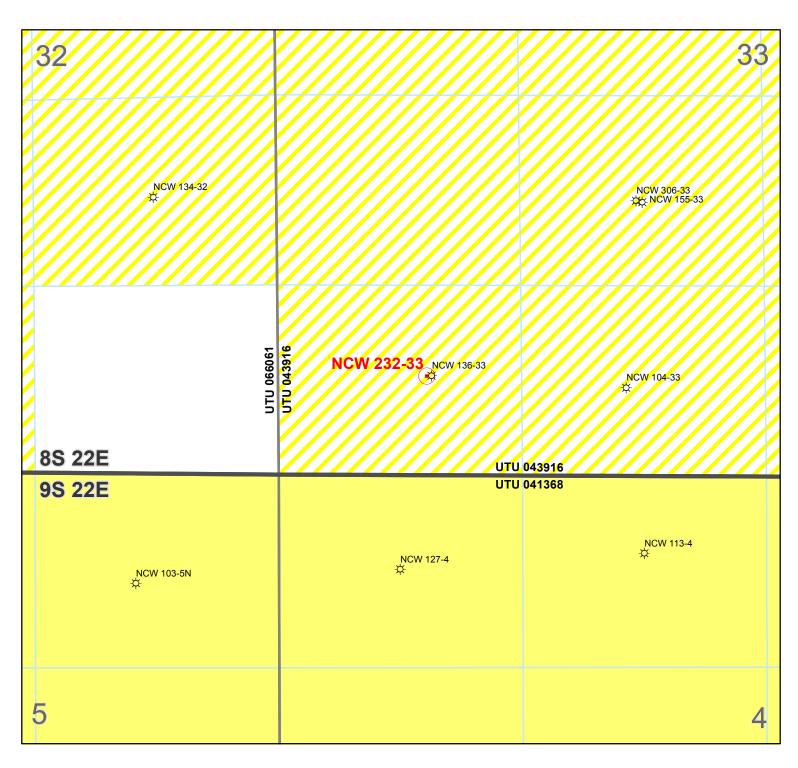
Notary Public

My Commission Expires: April 19 21/2

Notary Public
MICKENZIE GATES
Commission #574106
My Commission Expires
April 18, 2012
State of Utah

Sundry Number: 21103 APT Well Number: 43047514030000

Action is Necessary





☼ Drilled Gas Wells

EOG Partial Working Interest

EOG 100% Working Interest

Qtr Qtr







			Fanus
	STATE OF UTAH DEPARTMENT OF NATURAL RESOUR		FORM 9
	<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU43916		
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047514030000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		ONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSW Section: 33	P, RANGE, MERIDIAN: 3 Township: 08.0S Range: 22.0E Meridiar	n: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	☐ ALTER CASING	CASING REPAIR
☐ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	L TUBING REPAIR		WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
1/3/2012	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all po ed well chronology report for all activity up to 01/03/2	the referenced well showi 012.	-
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUMBE</b> 435 781-9157	Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 1/3/2012	

WELL	<b>CHRONOLOGY</b>
	REPORT

Report Generated On: 01-03-2012

Well Name	NCW 232-33	Well Type	DEVG	Division	DENVER	
Field	CHAPITA DEEP	API#	43-047-51403	Well Class	DRIL	
County, State	UINTAH, UT	Spud Date		Class Date		
Tax Credit	N	TVD / MD	11,180/ 11,180	Property #	057327	
Water Depth	0	Last CSG	9.625	Shoe TVD / MD	2,815/ 2,815	
KB / GL Elev	4,861/4,842					
Location	Section 33, T8S, R22E, SWSW, 681 FSL & 804 FWL					

DRILL & COMPLETE

		_	<b>I</b>					
Operator	EOG RESOU	RCES, INC V	VI % 64	.0	NRI %		51.86	
AFE No	303508	1	AFE Total	2,276,000	DHC / CV	<b>V</b> C	1,125,000/	1,151,000
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	12-20-2011	Release	Date	
12-30-2010	Reported B	Sy SHA	RON CAUDILL					
DailyCosts: D	rilling \$0	1	Completion	\$0	Daily	Total	\$0	
Cum Costs: D	rilling \$0	1	Completion	\$0	Well T	Total	\$0	
MD	0 <b>TVD</b>	0 ]	Progress 0	Days	0 <b>MW</b>	0.0	Visc	0.0
Formation:		<b>PBTD</b> : 0.0		Perf:		PKR De	<b>pth:</b> 0.0	

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

Start	End	Hrs	From To	<b>Activity Description</b>
06:00	06:00	24.0	0	0 LOCATION DATA

681' FSL & 804' FWL (SW/SW) SECTION 33, T8S, R22E UINTAH COUNTY, UTAH

**Description** 

LAT 40 DEG 04' 27.40", LONG 109 DEG 27' 05.64" (NAD 83) LAT 40 DEG 04' 27.53", LONG 109 DEG 27' 03.17" (NAD 27)

TRUE #34

OBJECTIVE: 11,180' TD, KMV BLACKHAWK

DW/GAS

NORTH CHAPITA PROSPECT DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: UTU-43916

ELEVATION: 4842.8' NAT GL, 4841.9' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4842'),

4861' KB (19')

EOG WI 100%, NRI 82.139316%

KYLAN COOK 12-21-2011 Reported By

\$0

**Daily Total** 

\$0

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

Completion

DailyCosts: Drilling

\$0

			Com	-			Dan			
Cum Costs: Drilling	\$0		Com	pletion	\$0		Well	Total	\$0	
<b>MD</b> 60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
ormation :		<b>PBTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
ctivity at Report Ti	me: RDMO B	SUCKET RIC	3							
tart End Hi	rs From	To Ac	tivity Descrip	tion						
06:00 06:00	24.0 0		AIG'S BUCKE				0/11 @ 03:00	0 PM, SET 60	OF 14" CON	DUCTOR
		CE	MENT TO SUR	RFACE WI	TH READY M	IIX.				
		RI	M WAS NOTIF	IED RY E	MAIL OF SPI	ID ON 12/1	9/11 @ 11·2	5 AM		
2–22–2011 Re	ported By		BERT WILKIN			.2 011 12/1	,,,,,			
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$0			pletion	\$0			Total	\$0	
<b>ID</b> 60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
ormation :		<b>PBTD</b> : 0.	Ü		Perf:		112 11	PKR De		
ctivity at Report Ti			O		1011.				<b>PUI 1</b> 0.0	
tart End Hı			tivity Descrip	tion						
	24.0 0		CATION IS 459		ETE.					
2–23–2011 Re	ported By	RO	BERT WILKIN	S						
ailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	¢0			_	**					
Jum Costs, Diming	\$0		Com	pletion	\$0		Well	Total	\$0	
_		60		pletion 0		0				0.0
MD 60	TVD	60 <b>PBTD :</b> 0.	Progress	<b>pletion</b> 0	Days	0	Well MW	0.0	Visc	0.0
MD 60 Cormation :	TVD	<b>PBTD</b> : 0.	Progress	_		0			Visc	0.0
AD 60 Cormation: Activity at Report Time	TVD	PBTD: 0.	Progress	0	Days	0		0.0	Visc	0.0
AD 60 Cormation: Activity at Report Time	TVD	PBTD: 0.000 ON BUILD  To Ac	Progress	0 otion	Days Perf :		MW	0.0 PKR De	Visc pth: 0.0	0.0
ID 60  ormation : ctivity at Report Tintert End Hi	TVD me: LOCATIO rs From	PBTD: 0.000 ON BUILD  To Ac	Progress 0 ctivity Descrip	0 otion	Days Perf :		MW	0.0 PKR De	Visc pth: 0.0	0.0
ormation: ctivity at Report Titart End Hr 06:00 06:00	TVD me: LOCATIO rs From	<b>PBTD</b> : 0.0 ON BUILD <b>To</b> Ac  0 12/	Progress 0 ctivity Descrip	0 otion TION IS 85	Days Perf:	E. HAULIN	<b>MW</b> NG MATERI	0.0  PKR De	Visc pth: 0.0  OSED LOOP.	
formation: cetivity at Report Tintart End Hi 06:00 06:00	TVD me: LOCATIO rs From 24.0 0	PBTD: 0.0 ON BUILD To Ac 0 12/	Progress 0 etivity Descrip 22/11 – LOCAT	0  otion  TION IS 85  TION IS 90	Days Perf:	E. HAULIN	<b>MW</b> NG MATERI	0.0  PKR De	Visc pth: 0.0  OSED LOOP.	
ID 60  ormation: ctivity at Report Tin tart End Hi 06:00 06:00  06:00  2-26-2011 Re	TVD me: LOCATIO rs From 24.0 0	PBTD: 0.0 ON BUILD To Ac 0 12/	Progress 0 etivity Descrip 22/11 – LOCAT 23/11 – LOCAT DEERT WILKIN	0  otion  TION IS 85  TION IS 90	Days Perf:	E. HAULIN	MW NG MATERI RIG SO FIN	0.0  PKR De	Visc pth: 0.0  OSED LOOP.	
ormation: ctivity at Report Tirtart End Hr 06:00 06:00  2-26-2011 Re railyCosts: Drilling	TVD me: LOCATIO rs From 24.0 0  eported By	PBTD: 0.0 ON BUILD To Ac 0 12/	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com	0 otion TION IS 85 TION IS 90	Days Perf:  6% COMPLET  9% COMPLET	E. HAULIN	MW  NG MATERI  RIG SO FIN  Dail	0.0  PKR De	Visc pth: 0.0  OSED LOOP.  GG CAN BE CO	
formation: Activity at Report Tintart End Hr 06:00 06:00  06:00  2-26-2011 Re Daily Costs: Drilling	TVD  me: LOCATIO  s From  24.0 0  ported By  \$0	PBTD: 0.0 ON BUILD To Ac 0 12/	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com	0  otion  CION IS 85  CION IS 90  S  pletion	Days Perf:  % COMPLET  % COMPLET	E. HAULIN	MW  NG MATERI  RIG SO FIN  Dail	0.0  PKR Deg  AL FOR CLC  NAL BLADIN  y Total	Visc pth: 0.0  OSED LOOP.  IG CAN BE CO	
ormation: ctivity at Report Tintart End Hr 06:00 06:00  2-26-2011 Re callyCosts: Drilling fum Costs: Drilling	TVD  me: LOCATIO  rs From  24.0 0  ported By  \$0  \$0  TVD	PBTD: 0.0 ON BUILD  To Ac 0 12/	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com Com Progress	otion FION IS 85 FION IS 90 FIS Spletion pletion	Days Perf:  6% COMPLET  9% COMPLET  \$0 \$0 \$0	E. HAULIN E. WO AIR	MW  RIG MATERI  RIG SO FIN  Dail  Well	0.0  PKR Degrate of the period	Visc pth: 0.0  DSED LOOP.  IG CAN BE CO \$0 \$0 Visc	OMPLETI
ormation: ctivity at Report Tintart End Hi 06:00 06:00  2-26-2011 Resolution Costs: Drilling fum Costs: Drilling ID 60 ormation:	TVD  me: LOCATIO rs From 24.0 0  ported By \$0 \$0  TVD	PBTD: 0.0 ON BUILD  To Ac 0 12/ RC  60 PBTD: 0.0	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com Com Progress	otion FION IS 85 FION IS 90 FIS Spletion pletion	Days Perf:  % COMPLET  % COMPLET  \$0  \$0  Days	E. HAULIN E. WO AIR	MW  RIG MATERI  RIG SO FIN  Dail  Well	0.0  PKR Degrate of the period	Visc pth: 0.0  DSED LOOP.  IG CAN BE CO \$0 \$0 Visc	OMPLETI
ormation: ctivity at Report Tintart End Hr 06:00 06:00  2-26-2011 Re ailyCosts: Drilling um Costs: Drilling ormation: ctivity at Report Tin	me: LOCATIO  me: LOCATIO  ported By  \$0  TVD  me: LOCATIO	PBTD: 0.0 ON BUILD To Ac 0 12/ RC 60 PBTD: 0.0 ON BUILD	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com Com Progress	otion CION IS 85 CION IS 90 S pletion pletion	Days Perf:  % COMPLET  % COMPLET  \$0  \$0  Days	E. HAULIN E. WO AIR	MW  RIG SO FIN  Daily  Well	0.0  PKR Degrate of the period	Visc pth: 0.0  DSED LOOP.  IG CAN BE CO \$0 \$0 Visc	OMPLETI
ormation: ctivity at Report Tintart End Hi 06:00 06:00  2-26-2011 Residually Costs: Drilling fum Costs: Drilling formation: ctivity at Report Tintart End Hi	me: LOCATIO  s From  24.0 0  ported By  \$0  \$0  TVD  me: LOCATIO	PBTD: 0.0 ON BUILD  To Ac 0 12/ RC  60 PBTD: 0.0 ON BUILD  To Ac	Progress 0 etivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com Com Progress 0	otion FION IS 85 FION IS 90 FION	Days Perf:  % COMPLET  % COMPLET  \$0  \$0  Days Perf:	E. HAULIN E. WO AIR 0	MW  RIG SO FIN  Daily  Well  MW	0.0  PKR Degrate of the period	Visc pth: 0.0  OSED LOOP.  IG CAN BE CO  \$0  \$0  Visc pth: 0.0	OMPLETI 0.0
ormation: ctivity at Report Tintart End Hr 06:00 06:00  2-26-2011 Residue Costs: Drilling The Costs: Drilling The Costs: Drilling The Costs: Ctivity at Report Tintart End Hr 06:00 06:00	TVD  me: LOCATIO  rs From  24.0 0  ported By  \$0  TVD  me: LOCATIO  rs From	PBTD: 0.0 ON BUILD  To Ac 0 12/ RC  60 PBTD: 0.0 ON BUILD  To Ac 0 LC	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com Com Progress 0 ctivity Descrip	otion CION IS 85 CION IS 90 S pletion 0 otion % COMPL	Days Perf:  % COMPLET  % COMPLET  \$0  \$0  Days Perf:	E. HAULIN E. WO AIR 0	MW  RIG SO FIN  Daily  Well  MW	0.0  PKR Degrate of the period	Visc pth: 0.0  OSED LOOP.  IG CAN BE CO  \$0  \$0  Visc pth: 0.0	OMPLETI 0.0
fin 60 formation: cetivity at Report Tintart End Hi 06:00 06:00  2-26-2011 Re Paily Costs: Drilling Cum Costs: Drilling Cormation: cetivity at Report Tintart End Hi 06:00 06:00  2-27-2011 Re	TVD  me: LOCATIO  rs	PBTD: 0.0 ON BUILD  To Ac 0 12/ RC  60 PBTD: 0.0 ON BUILD  To Ac 0 LC	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT BERT WILKIN Com Com Progress 0 ctivity Descrip CATION IS 909 BERT WILKIN	otion CION IS 85 CION IS 90 S pletion 0 otion % COMPL	Days Perf:  % COMPLET  % COMPLET  \$0  \$0  Days Perf:	E. HAULIN E. WO AIR 0	MW  RIG SO FIN  Daily  Well  MW	0.0  PKR Degrate of the period	Visc pth: 0.0  OSED LOOP.  IG CAN BE CO  \$0  \$0  Visc pth: 0.0	OMPLETI 0.0
AD 60 Formation: Activity at Report Tingstart End Hr 06:00 06:00  2-26-2011 Re DailyCosts: Drilling AD 60 Formation: Activity at Report Tingstart End Hr 06:00 06:00  2-27-2011 Re DailyCosts: Drilling	TVD  me: LOCATIO 24.0 0  ported By \$0  TVD  me: LOCATIO s From 24.0 0  ported By	PBTD: 0.0 ON BUILD  To Ac 0 12/ RC  60 PBTD: 0.0 ON BUILD  To Ac 0 LC	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT DEERT WILKIN Com Com Progress 0 ctivity Descrip CATION IS 909 DEERT WILKIN Com	otion FION IS 85 FION IS 90 S pletion 0 otion % COMPL	Days Perf:  % COMPLET  % COMPLET  %0    \$0    Days Perf:	E. HAULIN E. WO AIR 0	MW  RIG SO FIN  Daily  Well  MW  RIG SO FIN	0.0  PKR De  AL FOR CLC  NAL BLADIN  Total  0.0  PKR De	Visc pth: 0.0  OSED LOOP.  IG CAN BE CO  \$0  Visc pth: 0.0	OMPLETI 0.0
MD 60  Formation: Activity at Report Tin Start End Hr 06:00 06:00  12-26-2011 Re DailyCosts: Drilling MD 60  Formation: Activity at Report Tin Start End Hr 06:00 06:00	TVD  me: LOCATIO rs	PBTD: 0.0 ON BUILD  To Ac 0 12/ RC  60 PBTD: 0.0 ON BUILD  To Ac 0 LC	Progress 0 ctivity Descrip 22/11 – LOCAT 23/11 – LOCAT DEERT WILKIN Com Com Progress 0 ctivity Descrip CATION IS 909 DEERT WILKIN Com	otion CION IS 85 CION IS 90 S pletion 0 otion % COMPL S pletion	Days Perf:  % COMPLET  %0     \$0     Days Perf:  ETE. WAITIN	E. HAULIN E. WO AIR 0	MW  RIG SO FIN  Daily  Well  MW  RIG SO FIN	0.0  PKR De  AL FOR CLC  NAL BLADIN  y Total  0.0  PKR De  AL BLADIN  y Total	Visc pth: 0.0  OSED LOOP.  GG CAN BE CO  \$0  Visc pth: 0.0  G CAN BE CO	OMPLETI 0.0

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

**Activity at Report Time:** LOCATION BUILD

Start	End	Hrs	From		Activity D	-			. P.G. GO TV			
06:00 12-28-2	06:00	24.0	o (	)	ROBERT W	IS 100% COME	LETE. WAT	TING ON AII	RIG SO FI	NAL BLADII	NG CAN BE CO	OMPLETED.
	osts: Drilli	-	\$0		KOBEKI W	Completion	\$0		Doil	y Total	\$0	
=	osts: Drill	_	\$0			Completion	\$0 \$0			y Iotal Total	\$0	
MD	60	_	VD	6	0 <b>Progre</b>	_	Days	0	MW	0.0	Visc	0.0
Format		-	<b>, D</b>		): 0.0		Perf:		171 77	PKR De		
	at Repor	t Time:	LOCATI									
Start	End	Hrs	From	То	Activity D	escription						
06:00	06:00	24.0	0 0	)	0 LOCAITON	IS 100% COM	PLETE. WILI	L DO FINAL	BLAD WHI	EN AIR RIG I	S COMPLETE	D.
01-01-2	2012	Repoi	rted By		KYLAN CC	OK						
DailyCo	osts: Drilli	ing	\$219	,132		Completion	\$0		Dail	y Total	\$219,132	
Cum Co	osts: Drill	ing	\$219	,132		Completion	\$0		Well	Total	\$219,132	
MD	2,81	15 T	VD	2,8	15 <b>Progre</b>	<b>ss</b> 0	Days	0	MW	0.0	Visc	0.0
Format	ion :			PBTI	<b>0</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity	at Repor	t Time:	WORT									
Start	End	Hrs	From	To	Activity D	escription						
06:00	06:00	24.0	0 109	)	ENCOUNTI TD WITH F HALLIBUR SHOE, ON	IG'S AIR RIG # ERED NO WATI ULL RETURNS TON GUIDE SH FOP OF JOINTS UE #34 RKB. R	ER. DRILLE 5. RAN 67 JT HOE AND FL 5 #2 AND #3	D WITH AIR S (2796.80') LOAT COLLA THEN EVER	AND FOAM OF 9–5/8", 3 AR. 15 CENT CY 5TH COL	I TO 1820' TH 6.0#, K–55, S TRALIZERS S LAR TO SUF	HEN PUMP DR 3T&C CASING SPACED 10' FR RFACE. LANDI	RILLED TO WITH ROM THE ED @
					MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2390 PSIG. PUMPED 212 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.							
						ED AND PUMP , 2% CAL–SEA X.		*	*			
						ED AND PUMPI L CEMENT @			*		T WITH 2% CA	ACL2

DISPLACED CEMENT WITH 213 BBLS FRESH WATER. BUMPED PLUG WITH 2400# @ 09:30 AM
ON 12/30/11 FLOAT HELD. SHUT-IN CASING VALVE BROKE CIRCUL ATION 200 BBLS INTO

ON 12/30/11. FLOAT HELD. SHUT-IN CASING VALVE. BROKE CIRCULATION 200 BBLS INTO FRESH WATER FLUSH, HAD PARTIAL RETURNS UNTIL PLUG LANDED. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 150 SX (30 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. NO CEMENT TO SURFACE. WOC 3 HR.

TOP JOB #2: PUMP DOWN 6' OF 1" PIPE. MIXED & PUMPED 50 SX (10 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. GOOD CEMENT TO SURFACE. HOLE STOOD FULL.

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #2 TOOK SURVEYS WHILE DRILLING HOLE @

1750' = 1.00 DEGREE, 2170' = 0.50 DEGREE, 2500' = 1.00 DEGREE, AND 2800' = 1.50 DEGREE.

KYLAN COOK NOTIFIED BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON  $12/31/11\ @\ 06:30\ AM.$ 

JBMIT AS EMAIL	Print Form

## BLM - Vernal Field Office - Notification Form

Oper	rator EOG RESOURCES	Rig Nam	e/# <u>TRU</u>	<u> </u>					
Submitted By JOHNNY TURNER Phone Number 877-352-0710									
Well Name/Number NORTH CHAPITA 232-33									
Otr/0	Qtr/Qtr <u>sw/sw</u> Section <u>33</u> Township <u>8S</u> Range <u>22E</u>								
	e Serial Number UTU-43916								
	Number <u>43-047-<del>50837</del> 5 / 4 0</u> :								
/ \ \ _ \ .	40-041-00001 <u>40-041</u> 9								
•	<u>l Notice</u> – Spud is the initial pelow a casing string.	spudding o	of the we	ll, not drilling					
	Date/Time		АМ 🗌	РМ					
	ng – Please report time casi	ng run star	ts, not ce	ementing					
time	Surface Casing			<b>RECEIVED</b>					
	Intermediate Casing			JAN 2 4 2012					
	Production Casing			·					
H	Liner		Di	V. OF OIL, GAS & MINING					
	Other								
	Otriei								
	Date/Time		AM 🗌	PM 🗌					
				<del>_</del>					
BOP	<u>E</u>								
<b>V</b>		casing poir	nt						
	BOPE test at intermediate	casing point	t						
	30 day BOPE test								
	Other								
		÷							
	Date/Time 01/23/2012	07:00	AM	PM 🗸					
Rem	arks <u>Approximate Time.</u>		···						

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU43916
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NORTH CHAPITA 232-33
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047514030000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	) N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 33 Township: 08.0S Range: 22.0E Me	ridian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	Casing Repair
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
✓ DRILLING REPORT	L TUBING REPAIR	☐ VENT OR FLARE ☐	☐ WATER DISPOSAL ☐
Report Date: 2/2/2012	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
2,2,2012	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Drilling operations f	COMPLETED OPERATIONS. Clearly show for the referenced well beg ell chronology showing all	an on 1/23/2012. Please	Accepted by the
NAME (PLEASE PRINT) Nanette Lupcho	<b>PHONE NUM</b> 435 781-9157	IBER TITLE Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 2/2/2012	

RECEIVED: Feb. 02, 2012

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

Activity	at Report	Time:	LOCATION BUILD
----------	-----------	-------	----------------

Start	End	Hrs	From	To A	ctivity Descri	ption						
06:00	06:00	24.0	0 0	0 L	OCATION IS 10	0% COMP	LETE. WAITI	NG ON AII	R RIG SO FINA	L BLADIN	NG CAN BE CC	MPLETED.
12-28-	2011	Repor	ted By	R	OBERT WILKIN	NS						
DailyCo	osts: Drilli	ng	\$0		Con	pletion	\$0		Daily T	otal	\$0	
Cum C	osts: Drill	ing	\$0		Con	pletion	\$0		Well To	otal	\$0	
MD	60	T	VD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Format	tion :			PBTD:	0.0		Perf:			PKR Dep	<b>pth:</b> 0.0	
Activity	y at Repor	t Time:	LOCATI	ON BUILD								
Start	End	Hrs	From	To A	ativity Dagaria	ntion						
		1115	FIOIII	10 A	ctivity Descri	711011						
06:00	06:00	24.0			OCAITON IS 10	•	PLETE. WILL	DO FINAL	BLAD WHEN	AIR RIG I	S COMPLETED	).
06:00 01-01-	06:00	24.0		0 L	-	•	PLETE. WILL	DO FINAL	BLAD WHEN	AIR RIG I	S COMPLETED	).
01-01-	06:00	Repor	0	0 L	OCAITON IS 10 YLAN COOK	•	PLETE. WILL \$0	DO FINAL	BLAD WHEN  Daily T		\$ COMPLETED \$236,665	).
01-01- DailyCo	06:00	24.0 Repor	ted By	0 L K	OCAITON IS 10 YLAN COOK Con	00% COMF		DO FINAL		otal	<u> </u>	).
01-01- DailyCo	06:00 2012 osts: Drilli	Repoi	rted By \$236,	0 L K	OCAITON IS 10 YLAN COOK Con	00% COME	\$0	DO FINAL	Daily T	otal	\$236,665	0.0

**Activity at Report Time: WORT** 

Start	End	Hrs	From To	Activity Description
06:00	06:00	24.0	109	0 MIRLI CRAIG'S AIR RIG #2 O

0 MIRU CRAIG'S AIR RIG #2 ON 12/22/2011. DRILLED 12–1/4" HOLE TO 2806' GL (2825' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO 1820' THEN PUMP DRILLED TO TD WITH FULL RETURNS. RAN 67 JTS (2796.80') OF 9–5/8", 36.0#, K–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 15 CENTRALIZERS SPACED 10' FROM THE SHOE, ON TOP OF JOINTS #2 AND #3 THEN EVERY 5TH COLLAR TO SURFACE. LANDED @ 2815.80' TRUE #34 RKB. RAN 200' OF 1" PIPE DOWN BACK SIDE. RDMO CRAIG'S AIR RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2390 PSIG. PUMPED 212 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED AND PUMPED 250 SACKS (182 BBLS) OF PREMIUM LEAD CEMENT WITH 0.3% VERSASET, 2% CAL—SEAL, AND 2% ECONOLITE. MIXED LEAD CEMENT @ 10.5 PPG WITH YIELD OF 4.1 CF/SX.

TAIL: MIXED AND PUMPED 300 SACKS (63 BBLS) OF PREMIUM CEMENT WITH 2% CACL2 MIXED TAIL CEMENT @ 15.6 PPG WITH YIELD OF 1.18 CF/SX.

DISPLACED CEMENT WITH 213 BBLS FRESH WATER. BUMPED PLUG WITH 2400# @ 09:30 AM ON 12/30/11. FLOAT HELD. SHUT–IN CASING VALVE. BROKE CIRCULATION 200 BBLS INTO FRESH WATER FLUSH, HAD PARTIAL RETURNS UNTIL PLUG LANDED. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 150 SX (30 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. NO CEMENT TO SURFACE. WOC 3 HR.

TOP JOB #2: PUMP DOWN 6' OF 1" PIPE. MIXED & PUMPED 50 SX (10 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. GOOD CEMENT TO SURFACE. HOLE STOOD FULL.

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #2 TOOK SURVEYS WHILE DRILLING HOLE @

1750' = 1.00 DEGREE, 2170' = 0.50 DEGREE, 2500' = 1.00 DEGREE, AND 2800' = 1.50 DEGREE.

KYLAN COOK NOTIFIED BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON  $12/31/11\ @\ 06:30\ AM.$ 

01-23-2012	Re	eported By	JOHNNY TURNI	ER						
DailyCosts: 1	Drilling	\$95,277	Con	npletion	\$0		Daily	Total	\$95,277	
Cum Costs:	Drilling	\$331,755	Con	npletion	\$0		Well '	Total	\$331,755	
MD	2,825	TVD 2	,825 <b>Progress</b>	0	Days	0	MW	0.0	Visc	0.0
Formation :		PB	O.0 : <b>(</b>		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: MIRURT

Start	End	Hrs	From	To	Activity Description
06:00	18:00	12.0	0		0 HOLD SAFETY MEETING & RIG DOWN ON THE CWU 1487–26D & MOVE 8 MILES W/ RW JONES TRUCKING, RIG UP ON NEW LOCATION. 50% RIGGED UP & 100% OFF OLD LOCATION. ESTIMATED SPUD DATE 1/23/12.
18:00	06:00	12.0	0		0 RIG IDLE, WAIT ON DAYLIGHTS.

1,5 MAN CREW

NO INCIDENT NO ACCIDENT

SAFETY MEETING, WORKING W/ TRUCKERS & CRANE CREW WHILE RIGGING DOWN & RIGGING UP

FUEL 2508 GALS. USED 0 GALS

TRANSFERED 2508 GALS OF FUEL FROM CWU 1487–26D

01-24-2012	Re	ported By	JC	HNNY TURNE	ER.						
DailyCosts:	Drilling	\$66,4	149	Com	pletion	\$0		Daily	Total	\$66,449	
<b>Cum Costs:</b>	Drilling	\$396	,704	Com	pletion	\$0		Well 7	<b>Fotal</b>	\$396,704	
MD	2,816	TVD	2,816	Progress	0	Days	0	MW	10.7	Visc	36.0
Formation :			<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: DRILLING FLOAT EQUIPMENT @ 2769

Start	End	Hrs l	From To	Activity Description
06:00	11:00	5.0	0	0 FINISH SETTING IN RIG, RAISE DERRICK @ 10:45, RELEASE TRUCKS @ 11:00.
11:00	16:00	5.0	0	0 FINISH RIGGING UP, PICK UP ROTARY TOOLS. RIG EXCEPTED @ 16:00 1/23/2012.
16:00	18:00	2.0	0	0 NIPPLE UP BOP, CHOKE LINES & FLOWLINE.
18:00	23:00	5.0	0	0 TEST STACK. TEST PIPE RAMS, BLIND RAMS, HCR, CHOKE LINES, MANIFOLD, KILL LINE VALVES, UPPER & LOWER KELLY & INSIDE BOP 5000 PSI HIGH – 10 MINUTES / 250 PSI LOW – 5 MIN. TEST ANNULAR PREVENTER 250/2500 PSI FOR 10 MINUTES. PERFORM ACCUMULATOR FUNCTION TEST.
				TEST CASING TO 1500 PSI FOR 30 MIN. ALL TESTS OK.
23:00	23:30	0.5	0	0 TEST CASING @ 1500# FOR 30 MIN.
23:30	00:00	0.5	0	0 INSTALL WEAR BUSHING.
00:00	04:00	4.0	0	0 PJSM W/ WEATHERFORD LAY DOWN CREW & PICKUP BHA & RIG DOWN LAY DOWN TRUCK.
04:00	05:00	1.0	0	0 TORQUE KELLY, INSTALL KELLY DRIVE BUSHING, KELLY SPINNERS& ROTATING RUBBER.

Well Name: NCW 232-33 Field: CHAPITA DEEP Property: 057327 05:00 06:00 0 DRILL CEMENT/FLOAT EQUIP., TAG CEMENT @ 2745. 1.0 0 NO INCIDENT, NO ACCIDENT FULL CREWS SAFETY MEETING, RIGGING UP, PICKING UP BHA FUEL 8892 GALS, USED 1616 GALS, RECIEVED 8000 GALS. JOHNNY TURNER 01-25-2012 Reported By \$34,208 \$0 \$34,208 DailyCosts: Drilling **Daily Total** Completion **Cum Costs: Drilling** \$429,518 Completion \$0 **Well Total** \$429,518 34.0 MD 4,550 TVD 4,550 1,725 MW10.3 Visc **Progress Days PBTD**: 0.0 PKR Depth: 0.0 **Formation:** Perf: Activity at Report Time: DRILLING @ 45503 Start End From To **Activity Description** Hrs 06:00 07:00 2825 2835 DRILL CEMENT/FLOAT EQUIP. & 10' OF NEW HOLE. 1.0 07:00 07:30 0.5 0 0 CIRCULATE FOR F.I.T. 0 PREFORM F.I.T. @ 2835', PRESSURED UP TO 311# & FELL BACK TO 0#, CHECKED ALL SURFACE 08:00 0 07:30 0.5 EQUIPMENT, ALL WAS GOOD, TOOK 10BBLS WHEN KICKED PUMP BACK IN TO GET FLOW, LOST 30BBLS. SPUD WELL @ 07:00 1/24/2012 3248 DRILL FROM 2835' TO 3248', 413', 75.1 FPH, WOB 10-25K, RPM 55/60, SPP 1400 PSI, DIFF. 250-450 08:00 13:30 2835 5.5 PSI. 13:30 14:00 0.5 0 0 SERVICE RIG. 14:00 20:30 6.5 3248 3845 DRILL FROM 3248' TO 3845, 597', 91.8 FPH, WOB 10-25K, RPM 55/60, SPP 1400 PSI, DIFF. 250-450 0 SURVEY @ 3796' @ 1.61 DEGREE. 20:30 21:00 0.5 0 21:00 06:00 9.0 3845 0 DRILL FROM 3845' TO 4550', 705', 78.3 FPH, WOB 10-25K, RPM 55/60, SPP 1500 PSI, DIFF. 250-450 PSI. NO ACCIDENT, NO INCIDENT **FULL CREWS** SAFETY MEETING, LAST DAY AWARNESS, MIXING MUD COM CHECK DRILLING FUEL 7168 GALS, USED 1724 GALS 06:00 0 SPUD 8 3/4" HOLE @ 8::00 HRS, 1/24/12. 01-26-2012 Reported By JOHNNY TURNER DailyCosts: Drilling \$32,725 Completion \$0 **Daily Total** \$32,725 **Cum Costs: Drilling** \$462,244 Completion \$0 Well Total \$462,244 TVD MD 5.580 5,580 **Progress** 1.030 Days MW10.4 Visc 38.0 **PBTD**: 0.0 Formation: Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 55803

**Activity Description** Start End From To Hrs

Sundry Number: 22688 API Well Number: 43047514030000

4844 DRILL FROM 4550' TO 4844', 294', 98 FPH, WOB 10-25K, RPM 55/60, SPP 1500 PSI, DIFF. 150-300 06:00 09:00 4550 3.0 PSI 0 SURVEY @ 4768' @ 1.96 DEGREE. 09:00 09:30 0.5 0

,,,,,		202 00				110101 011					Troperty: oc /	
09:30	16:30	7.0	4844	5189	DRILL FROM 4	.844' TO 518	39', 345', 49.2 1	FPH, WOB	10-25K, RP	M 55/60, SPP	1500 PSI, DIF	F. 250– 450
					PSI.							
16:30	17:00	0.5	0		SERVICE RIG.							
17:00	06:00	13.0	5189	5580	DRILL FROM 5 PSI.	189° TO 558	30', 391', 30 FF	PH, WOB 1	0–25K, RPM	55/60, SPP 1	650 PSI, DIFF.	250– 450
					NO INCIDENT	NO ACCIDI	ENT					
					FULL CREWS							
					BOP DRILL BO							
					SAFETY MEET		NSPECTION, C	CLEANING	3 LIGHT PL	ANT		
					COM CHECK D		702 GALS					
01 25	2012	D	. 1 D				792 GALS					
01-27-		Reporte	-		JOHNNY TURN						***	
-	osts: Drilli	_	\$37,85			mpletion	\$0			y Total	\$37,853	
	osts: Drilli	_	\$490,8			mpletion	\$0			Total	\$490,834	
MD -	6,40	00 <b>TV</b> I		6,400	0	820	Days	3	MW	10.4	Visc	40.0
Format		, m		PBTD			Perf:			PKR De	<b>pth:</b> 0.0	
Activity	at Repor	t Time: D	ORILLING	G @ 640	00'							
Start	End	Hrs	From '		<b>Activity Descr</b>	_						
06:00	15:00	9.0	5580	5909	DRILL FROM 5 PSI.	580' TO 590	)9', 329', 36.5 1	FPH, WOB	10–25K, RP	M 45/60, SPP	1800 PSI, DIF	F. 100–350
15:00	15:30	0.5	0	0	SERVICE RIG.							
15:30	06:00	14.5	5909	6400	DRILL FROM 5	909' TO 640	00', 491', 33.91	FPH, WOB	10-25K, RP	M 45/60, SPP	1900 PSI, DIF	F. 100–350
					PSI.							
					NO INCIDENT	NO ACCIDI	ENT					
					FULL CREWS							
					SAFETY MEET	ING, INSPE	ECTING EQUI	PMENT, D	RIVING TO	& FROM RIC	ì.	
					COM CHECK D	RILLING.						
					FUEL 3360 GAI	LS., USED 2	016 GALS.					
01-28-	2012	Reporte	ed By		JOHNNY TURN	NER						
DailyCo	osts: Drilli	ng	\$89,19	5	Co	mpletion	\$891		Dail	y Total	\$90,086	
Cum Co	osts: Drilli	ing	\$580,0	30	Co	mpletion	\$891		Well	Total	\$580,921	
MD	7,10	8 <b>TV</b> 1	D	7,108	8 Progress	708	Days	4	MW	10.5	Visc	37.0
Format	ion :		]	PBTD	: 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity	at Repor	t Time: T	OH FOR	BIT								
Start	End	Hrs	From '	То	<b>Activity Descr</b>	ription						
06:00	15:00	9.0	6400	6753	DRILL FROM 6 PSI.	400' TO 675	53', 353', 39.2 1	FPH, WOB	10–25K, RP	M 45/60, SPP	2000 PSI, DIF	F. 100–350
15:00	15:30	0.5	0	0	SERVICE RIG.							
15:30	04:30	13.0	6753	7108	DRILL FROM 6 PSI.	753' TO 710	08', 355', 27.3	FPH, WOB	10–25K, RF	PM 45/60, SPF	2000 PSI, DIF	F. 100–350
04:30	06:00	1.5	0	0	DROP SURVEY	, PUMP SLU	JG & TRIP OU	T OF HOL	E FOR BIT	#1. TIGHT S	POT 3400-3100	)', PULLED

Field: CHAPITA DEEP

Sundry Number: 22688 API Well Number: 43047514030000

Well Name: NCW 232-33

50K# OVER.

Property: 057327

Well Name: NCW 232-33 Field: CHAPITA DEEP Property: 057327

NO INCIDENTS OR ACCIDENTS

FULL CREWS

COM CHECK DRILLING & TRIPPING

SAFETY MEETING, OPERATING FORK LIFT, KEEPING ICE OFF OF STAIRS

FUEL 8288 GALS, USED 2072 GALS

01-29-2012	Re	eported By	Bl	LL SNAPP							
DailyCosts: D	rilling	\$28,2	.77	Con	npletion	\$0		Daily	Total	\$28,277	
Cum Costs: I	Prilling	\$608	,307	Con	npletion	\$891		Well '	<b>Fotal</b>	\$609,198	
MD	7,650	TVD	7,650	Progress	542	Days	5	MW	10.9	Visc	39.0
Formation :			<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: DRILLING @ 7650'

Start	End	Hrs	From	To	Activity Description
06:00	08:00	2.0	0	7108	CONT'D TOH, NUMEROUS BROKEN CUTTERS ON BIT SHOULDER (PROBABLE DBR), BIT BALLED UP, MOTOR CHECKED OK, BUT WILL CHANGE DUE TO HOURS. DROPPED SURVEY AT 7033' – 1.63 DEG.
07:30	09:00	1.5	0	7108	CHANGE OUT TO 7 7/8" BIT, PU & MAKE UP NEW MUD MOTOR.
09:00	12:00	3.0	0	7108	TRIP IN HOLE BIT #2 AND NEW MM. NO PROBLEMS, NO TIGHT SPOTS.
12:00	15:00	3.0	7108	7150	DRILL FROM 7108' TO 7150', 42', 14 FPH.
					WOB 10–25K, RPM 45/65, SPP 2400 PSI, DIFF. 100–350 PSI.
15:00	15:30	0.5	0	7150	RIG SERVICE.
15:30	06:00	14.5	7150	7650	DRILL FROM 7150' TO 7650', 500', 34.5 FPH.
					WOB 10–25K, RPM 45/65, SPP 2000 PSI, DIFF. 100–350 PSI.
					NO INCIDENTS, NO ACCIDENTS.
					FULL CREWS
					COM CHECK DRILLING & TRIPPING.

01-30-2012	Re	eported By	В	ILL SNAPP							
DailyCosts: 1	Drilling	\$29,0	)56	Con	pletion	\$0		Dail	y Total	\$29,056	
Cum Costs:	Drilling	\$637,	,363	Com	pletion	\$891		Well	Total	\$638,254	
MD	8,210	TVD	8,210	Progress	560	Days	6	MW	11.0	Visc	38.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	<b>th:</b> 0.0	

SAFETY MEETING, TRIPPING, WORK ON PUMPS.

FUEL 6384 GALS, USED 1904 GALS.

Activity at Report Time: DRILLING @ 8210'

•	-				
Start	End	Hrs	From	To	Activity Description
06:00	15:30	9.5	7650	7960	DRILL FROM 7650' TO 7960' , 310' , 32.6 FPH, WOB 15–25K, RPM 45/65, SPP 2400 PSI, DIFF. 100–350 PSI.
					MUD WT: 11.0 PPG
15:30	16:00	0.5	0	7960	SERVICE RIG
16:00	06:00	14.0	7960	8210	$DRILL\ FROM\ 7960'\ TO\ 8210'\ ,\ 250'\ ,\ 18\ FPH,\ WOB\ 15-25K,\ RPM\ 45/65,\ SPP\ 2300\ PSI,\ DIFF.\ 80-300\ PSI.$
					ROP RANGING F/8 FPH TO 106 FPH. DIFF PSI RANGING F/80 TO 300
					MUD WT: 11.0 PPG
					NO INCIDENT NO ACCIDENT

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

FULL CREWS

COM CHECK DRILLING.

SAFETY MEETING: HOUSEKEEPING. FUEL: 4256 GALS, USED 2128 GALS.

	2012	Repor	ted Bv		BILL SNAPP							
DailyCo	sts: Drilli	•	\$64,0	30	Com	pletion	\$0		Daily	<b>Total</b>	\$64,030	
•	osts: Drill	_	\$701,			pletion	\$891		-	Total	\$702,285	
MD	8,83	_	/ <b>D</b>	8,830		620	Days	7	MW	11.2	Visc	39.0
Formati		11	D	PBTD	_	020	Perf:	,	141 44	PKR Dep		27.0
	at Repor	t Time•	DBII I IN				1011.			ТКК Бер	<b>th .</b> 0.0	
Start	End	Hrs	From		Activity Descrip	tion						
06:00	15:30	9.5			DRILL FROM 821 PSI.		5', 215', 22.6	FPH, WOE	3 15–20K, RP	M 45/65, SPP	2300 PSI, DIF	F. 100–30
					FORMATION TO	P: PRICE I	RIVER@ 8063	,				
					MUD WT: 11.0 PF	<b>'</b> G						
15:30	16:00	0.5	0	8425	SERVICE RIG							
16:00	06:00	14.0	8425	8830	DRILL FROM 842 GPM, DIFF. 100–3		0', 405', 29 FI	PH, WOB 1	5–20K, RPM	56/60, MM R	PM 68 SPP 26	00 PSI, 42
					MUD WT: 11.2 PF	<b>P</b> G						
					NO INCIDENT N	O ACCIDE	ENT					
					FULL CREWS							
					COM CHECK DR	ILLING.						
					SAFETY MEETIN	IG: DAILY	GREASING,	MAKING	CONNECTIO	ONS		
					ELIEL COZO CAL				1 4 7			
					FUEL: 9072 GALS	S, USED 2	184 GALS.RC	VD 7000 C	jAL.			
02-01-2	2012	Repor	ted By		BILL SNAPP	S, USED 2	184 GALS.RC	VD 7000 C	jAL.			
	2012 osts: Drilli	•	ted By \$47,8	15	BILL SNAPP	S, USED 2	184 GALS.RC \$0	VD 7000 C		Total	\$47,815	
DailyCo		ing	•		BILL SNAPP  Com			VD 7000 C	Daily	<sup>7</sup> Total Total	\$47,815 \$750,100	
DailyCo	sts: Drilli	ing ing	\$47,8 \$749,		BILL SNAPP  Com Com	pletion	\$0 \$891	VD 7000 C	Daily			41.0
DailyCo Cum Co MD	osts: Drilli osts: Drilli 9,41	ing ing	\$47,8 \$749,	209	BILL SNAPP  Com  Com  Progress	pletion	\$0		Daily Well	<b>Total</b> 11.4	\$750,100 <b>Visc</b>	41.0
DailyCo Cum Co MD Formati	osts: Drilli osts: Drilli 9,41	ing ing	\$47,8 \$749,	9,410 <b>PBTD</b>	BILL SNAPP  Com  Com  Progress : 0.0	pletion	\$0 \$891 <b>Days</b>		Daily Well	Total	\$750,100 <b>Visc</b>	41.0
DailyCo Cum Co MD Formati Activity	osts: Drilli osts: Drilli 9,41 ion : at Repor	ing ing  TV	\$47,8 \$749, 7 <b>D</b>	9,410 <b>PBTD</b> NG @ 94	Com Com Com Com O Progress : 0.0	apletion apletion 580	\$0 \$891 <b>Days</b>		Daily Well	<b>Total</b> 11.4	\$750,100 <b>Visc</b>	41.0
DailyCo Cum Co MD Formati Activity	osts: Drilli osts: Drilli 9,41	ing ing	\$47,8 \$749, 7 <b>D</b> DRILLIN	9,410 <b>PBTD</b> NG @ 94 <b>To</b>	BILL SNAPP  Com  Com  Progress : 0.0	apletion spletion 580 otion 60' TO 907	\$0 \$891 <b>Days</b> <b>Perf:</b> 8', 248', 26 FI	8 PH, WOB 2	Daily Well MW 20–24K, RPM	11.4 PKR Dep	\$750,100  Visc  th: 0.0	
DailyCo Cum Co MD Formati Activity Start	osts: Drilli osts: Drilli 9,41 ion : at Repor	ing ing TV t Time: Hrs	\$47,8 \$749, 7 <b>D</b> DRILLIN	9,410 <b>PBTD</b> NG @ 94 <b>To</b>	Com Com Com Com O Progress : 0.0  10' Activity Descrip DRILL FROM 883	apletion 580  stion 60° TO 907 800 PSI. Fo	\$0 \$891 <b>Days</b> <b>Perf:</b> 8', 248', 26 FI	8 PH, WOB 2	Daily Well MW 20–24K, RPM	11.4 PKR Dep	\$750,100  Visc  th: 0.0	
Cum Co MD Formati Activity Start	osts: Drilli osts: Drilli 9,41 ion : at Repor	ing ing TV t Time: Hrs	\$47,8 \$749, 7 <b>D</b> DRILLIN  From  8830	9,410 PBTD NG @ 94 To 9078	Com Com Com O Progress : 0.0  10' Activity Descrip DRILL FROM 883 GPM, DIFF. 100–3	apletion 580  stion 60° TO 907 800 PSI. Fo	\$0 \$891 <b>Days</b> <b>Perf:</b> 8', 248', 26 FI	8 PH, WOB 2	Daily Well MW 20–24K, RPM	11.4 PKR Dep	\$750,100  Visc  th: 0.0	
DailyCo Cum Co MD Formati Activity Start 06:00	osts: Drilli 9,41 ion : at Repor End 15:30	ing  O TV  t Time:  Hrs  9.5	\$47,8 \$749, 7 <b>D</b> DRILLIN  From  8830	9,410 PBTD NG @ 94 To 9078	Com Com Com Com Com O Progress : 0.0  10' Activity Descrip DRILL FROM 883 GPM, DIFF. 100–3 MUD WT: 11.3 PF	apletion 580  otion 60' TO 907 800 PSI. Fo	\$0 \$891 <b>Days</b> <b>Perf:</b> 8', 248', 26 FI DRMATION P	8 PH, WOB 2 RICE RIVI	Daily Well MW 20–24K, RPM ER MIDDLE	11.4 PKR Dep 56/60, MM R 2 8838'	\$750,100  Visc  th: 0.0	00 PSI, 42

Page 8

SAFETY MEETING: INSPECTING PPE, DRIVING TO/FROM WORK

LOST  $\pm -65/70$  BBL TO SEEPAGE IN 24 HRS.

NO INCIDENT NO ACCIDENT

COM CHECK DRILLING.

FULL CREWS

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

#### FUEL: 7056 GALS, USED 2016 GALS.

02-02-2012 Re DailyCosts: Drilling			ted By		BILL SNAPP							
			\$38,090		Completion		\$7,855		Daily Total		\$45,946	
<b>Cum Costs: Drilling</b>			\$787,	300	Con	\$8,746	746		Well Total		\$796,047	
MD	9,70	00 <b>T</b> V	VD	9,70	Progress	290	Days	9	MW	11.5	Visc	40.0
Format			PBTD	: 0.0		Perf:		<b>PKR Depth:</b> 0.0				
Activity	at Repor	t Time:	DRILLIN	IG @ 970	00'							
Start	End	Hrs	From	To	Activity Descri	ption						
06:00	09:00	3.0	9410	9440	DRILL FROM 94 GPM, DIFF. 100– MUD WT: 11.4 P	300 PSI. P		*		,		00 PSI, 426
09:00	09:30	0.5	5 0	9440	CIRC, MIX DRYI	NG SLUG	, FILL TRIP T	ANK				
09:30	14:00	4.5	5 0	9440	DROP SURVEY,	CHECK F	LOW, PUMP S	LUG AND	POOH F/ BI	T #3 . NO DR	AG ON TRIP (	OUT.
					HOLE TOOK 10	BBL ECCI	ESS FILL.					
14:00	15:00	1.0	0	9440	PU BIT #3 AND C/O NOV MUD MOTORS 7/8 LOBE – 2.9 STAGE– .16 RPG.							
15:00	15:30	0.5	5 0	9440	SERVICE RIG							
15:30	19:30	4.0	0	9440	TIH W/BIT #3, W	ASH THR	OUGH TIGHT	SPOT F/ 6	835' TO 689	8' AND 30' TO	BOTTOM.	
19:30	06:00	10.5	9440	9700	DRILL FROM 94 419 GPM, DIFF. 1			FPH, WO	B 20–24K, R	PM 52/59, MN	M RPM 67 SPP	2600 PSI,
					MUD WT: 11.5 P	PG						
					NO FLIUD LOST							
					FORMATION: L	OWER PR	ICE RIVER@	9633'				
					NO INCIDENT N	O ACCID	ENT					
					FULL CREWS							
					COM CHECK DR	ILLING.						
					SAFETY MEETII	NG: INSPI	ECTING PPE,	CLEANING	G FLOOR			
					FUEL: 5040 GAL	S, USED 2	2016 GALS.					

SUBMIT AS EMAIL

Print Form

## BLM - Vernal Field Office - Notification Form

	rator <u>EOG RESOURCES</u>			
Subr	nitted By <u>BILL SNAPP</u>	Phone Num	ber 877-	352-0710
Well	Name/Number <u>-NCW 232-3</u>	3 NORTH	CHAPI	TA 232-33
Qtr/0	Qtr <u>sw/sw</u> Section 33	Township 85		
Leas	e Serial Number UTU-43916			
	Number <u>43-047-51403</u>			
	<u>d Notice</u> – Spud is the initial pelow a casing string.	spudding of	the we	ll, not drilling
	Date/Time	/	AM 🗌	РМ
<u>Casii</u> <u>time</u>	ng – Please report time cas s.	ing run starts	s, not ce	ementing
	Surface Casing			RECEIVED
	Intermediate Casing			FEB 0 6 2012
$\checkmark$	Production Casing			
	Liner Other		{	DIV. OF OIL, GAS & MINING
	Date/Time 02/05/2012	16:00	АМ 🔲	PM 🗸
ВОР	E			
	= Initial BOPE test at surface	casing point	t	
	BOPE test at intermediate	casing point		
	30 day BOPE test			
	Other			
	Date/Time		AM 🗌	РМ
Rem	arks <u>Approximate Time.</u>			·

	STATE OF UTAH			FORM 9
[	DEPARTMENT OF NATURAL RESO DIVISION OF OIL, GAS, AND			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU43916
SUNDR	RY NOTICES AND REPORT	TS ON V	VELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	oposals to drill new wells, significar reenter plugged wells, or to drill ho n for such proposals.			7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NORTH CHAPITA 232-33
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047514030000
3. ADDRESS OF OPERATOR: 1060 East Highway 40, Ve	rnal, UT, 84078 4:	ENUMBER: 11 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0681 FSL 0804 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 33 Township: 08.0S Range: 22.0E N		STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDI	DICATE NA	TURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE	☐ AL1	TER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	Сн	ANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	Со	MMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FR	ACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	☐ PLU	UG AND ABANDON	PLUG BACK
SPUD REPORT	✓ PRODUCTION START OR RESUME	REG	CLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SID	ETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	U VE	NT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	☐ si ī	TA STATUS EXTENSION	APD EXTENSION
2/20/2012	WILDCAT WELL DETERMINATION	Пот	UED.	OTHER:
			nek	
The referenced we attached operat	COMPLETED OPERATIONS. Clearly shall was turned to sales on a cions summary report for ations performed on the s	2/20/20 drilling	12. Please see the and completion	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 08, 2012
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NU</b> 435 781-9145		TITLE Operations Clerk	
SIGNATURE N/A			<b>DATE</b> 3/7/2012	

WELL	<b>CHRONOLOGY</b>
	REPORT

Report Generated On: 03-07-2012

Well Name	NCW 232-33	Well Type	DEVG	Division	DENVER						
Field	CHAPITA DEEP	API#	43-047-51403	Well Class	COMP						
County, State	UINTAH, UT	Spud Date	01-24-2012	Class Date	02-20-2012						
Tax Credit	N	TVD / MD	11,180/ 11,180	Property #	057327						
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	111,700/ 11,170						
KB / GL Elev	4,861/4,842										
Location	Section 33, T8S, R22E, SWSW, 681 FSL & 804 FWL										

DRILL & COMPLETE

Operator	EOG RESOUR	CES, INC WI	<b>%</b> 64.	0	NRI %	51.86	51.86		
AFE No	303508	AI	FE Total	2,276,000	DHC / CW	C 1,1	125,000/ 1,151,000		
Rig Contr	TRUE	Rig Name	TRUE #34	Start Date	12-20-2011	Release Date	02-06-2012		
12-30-2010	Reported By	SHARO	ON CAUDILL						
DailyCosts: Drilling \$0			Completion	\$0	Daily To	otal \$0			
Cum Costs: D	rilling \$0		Completion	\$0	Well Tot	<b>tal</b> \$0			
MD	0 <b>TVD</b>	0 <b>Pr</b>	ogress 0	Days	0 <b>MW</b>	0.0 <b>V</b> i	sc 0.0		
Formation:		<b>PBTD</b> : 0.0		Perf:	]	PKR Depth:	0.0		

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

Start End From To **Activity Description** Hrs 06:00 06:00 24.0 0 0 LOCATION DATA

> 681' FSL & 804' FWL (SW/SW) SECTION 33, T8S, R22E UINTAH COUNTY, UTAH

Description

LAT 40 DEG 04' 27.40", LONG 109 DEG 27' 05.64" (NAD 83) LAT 40 DEG 04' 27.53", LONG 109 DEG 27' 03.17" (NAD 27)

TRUE #34

OBJECTIVE: 11,180' TD, KMV BLACKHAWK

DW/GAS

NORTH CHAPITA PROSPECT DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: UTU-43916

ELEVATION: 4842.8' NAT GL, 4841.9' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4842'),

4861' KB (19')

EOG WI 100%, NRI 82.139316%

KYLAN COOK 12-21-2011 Reported By

DailyCosts: Drilling

\$0

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

\$0

**Daily Total** 

\$0

Completion

Cum Cost	ts: Drillir	ıg	\$0		Com	pletion	\$0		Well	Total	\$0	
MD	60	T	VD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation	n:			PBTD	_		Perf :			PKR De <sub>l</sub>	oth: 0.0	
Activity a	t Report	Time:	RDMO I	BUCKET	RIG							
Start	End	Hrs	From	To	Activity Descrip	tion						
06:00	06:00	24.0	0	60	CRAIG'S BUCKE CEMENT TO SUR	RFACE W	TH READY	MIX.			OF 14" CON	DUCTOR.
12 22 20		D.	4 I.D.		BLM WAS NOTIF		EMAIL OF SP	UD ON 12/1	9/11 @ 11:2	5 AM.		
12-22-20		_	ted By		ROBERT WILKIN						+0	
DailyCost		_	\$0			pletion	\$0 \$0		-	y Total	\$0 \$0	
Cum Cost		_	\$0			pletion	\$0			Total	\$0	
MD	60	T	VD	60	- 6	0	Days	0	MW	0.0	Visc	0.0
Formation				PBTD			Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity a	t Report	Time:	LOCATI	ON BUI	LD							
		Hrs	From		Activity Descrip							
06:00	06:00	24.0		0 0	LOCATION IS 459	% COMPI	LETE.					
12-23-20	11	Repor	ted By		ROBERT WILKIN	IS						
DailyCost	ts: Drillin	ıg	\$0		Com	pletion	\$0		Daily	y Total	\$0	
Cum Cost	ts: Drillir	ıg	\$0		Com	pletion	\$0		Well	Total	\$0	
MD	60	T	VD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation	n:			PBTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report	Time:	LOCATI	ON BUI	LD							
Start	End	Hrs	From	To	Activity Descrip	tion						
06:00	06:00	24.0	) 0	0	12/22/11 – LOCAT	TION IS 8	5% COMPLE	TE. HAULIN	IG MATERI	AL FOR CLO	SED LOOP.	
06:00			0	) (	) 12/23/11 – LOCAT	TION IS 9	0% COMPLE	TE. WO AIR	RIG SO FIN	NAL BLADIN	G CAN BE C	OMPLETED
12-26-20	)11	Repor	ted By		ROBERT WILKIN							
DailyCost		_	\$0			pletion	\$0		Dails	v Total	\$0	
Cum Cost		_	\$0			pletion	\$0		•	Total	\$0	
MD	60	_	VD	60		0	Days	0	MW	0.0	Visc	0.0
		1	v D		Trugicas	Ü	Days	Ü	141 44	0.0	VISC	
					• 0.0		Perf •			PKR Der	<b>th</b> • 0.0	
Formation	n:	Time:	LOCATI	PBTD			Perf:			PKR De <sub>l</sub>	oth: 0.0	
Formation Activity a	n : at Report			PBTD ON BUI	LD	ntion	Perf:			PKR De <sub>l</sub>	oth: 0.0	
Formation Activity a Start	n : it Report End	Hrs	From	PBTD ON BUI To	LD Activity Descrip			NG ON AIR	RIG SO FIN			
Formation Activity a Start 06:00	n : at Report End 06:00	Hrs 24.0	<b>From</b> 0	PBTD ON BUI To	Activity Descrip LOCATION IS 909	% COMPI		NG ON AIR	RIG SO FIN			
Formation Activity a Start 06:00 12-27-20	n : at Report End 06:00	Hrs 24.0 Repor	From  orted By	PBTD ON BUI To	Activity Descrip LOCATION IS 900 ROBERT WILKIN	% COMPI	LETE. WAITI	NG ON AIR :		AL BLADING	G CAN BE CO	
Formation Activity a Start 06:00 12-27-20 DailyCost	n:  tt Report  End  06:00  011  ts: Drillin	Hrs 24.0 Repor	From  0 0  rted By  \$0	PBTD ON BUI To	Activity Descrip LOCATION IS 909 ROBERT WILKIN Com	% COMPI	LETE. WAITI	NG ON AIR .	Daily	AL BLADING	G CAN BE CO \$0	
Formation Activity a Start 06:00 12-27-20 DailyCost Cum Cost	n:  tt Report  End  06:00  D11  ts: Drillin  ts: Drillin	Hrs 24.0 Repor	From 0 0 rted By \$0 \$0	PBTD ON BUI To	Activity Descript LOCATION IS 900 ROBERT WILKIN Com	% COMPI	LETE. WAITI \$0 \$0		Daily Well	AL BLADING y Total Total	G CAN BE CO \$0 \$0	OMPLETED.
Activity a Start  06:00  12-27-20  Daily Cost	n: at Report End 06:00 011 ts: Drillin 60	Hrs 24.0 Repor	From  0 0  rted By  \$0	PBTD ON BUI To	Activity Descrip LOCATION IS 909 ROBERT WILKIN Com Com Progress	% COMPI	LETE. WAITI	NG ON AIR	Daily	AL BLADING	\$0 \$0 <b>Visc</b>	

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

<b>Activity at Report Time:</b>	LOCATION BUILD
---------------------------------	----------------

Start	End	Hrs	From	To A	Activity Descri	ption						
06:00	06:00	24	.0 0	0 L	OCATION IS 10	00% COMP	LETE. WAITI	NG ON AII	R RIG SO FINA	AL BLADIN	NG CAN BE CO	MPLETED
12-28-	2011	Repo	rted By	F	OBERT WILKI	NS						
DailyCo	osts: Drilli	ing	\$0		Cor	npletion	\$0		Daily '	Total	\$0	
Cum C	osts: Drill	ing	\$0		Cor	npletion	\$0		Well T	otal	\$0	
MD	60	T	'VD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation: PBTD: 0.0							Perf:		PKR Depth: 0.0			
Activity	at Repor	t Time	: LOCATI	ON BUILD	)							
Start	End	Hrs	From	To A	Activity Descri	ption						
06:00	06:00	24	.0 0	0 L	OCAITON IS 10	00% COME	PLETE. WILL	DO FINAL	BLAD WHEN	NAIR RIG I	S COMPLETED	).
01-01-	2012	Repo	rted By	k	YLAN COOK							
DailyCo	osts: Drilli	ing	\$236	,665	Cor	npletion	\$0		Daily '	Total	\$236,665	
Cum C	osts: Drill	ing	\$236	,665	Cor	npletion	\$0		Well T	otal	\$236,665	
MD	2,82	25 <b>T</b>	'VD	2,825	Progress	0	Days	0	MW	0.0	Visc	0.0
Format	Formation: PBTD: 0.0						Perf:	<b>PKR Depth</b> : 0.0				

**Activity at Report Time: WORT** 

Start	End	Hrs	From To	<b>Activity Description</b>
06:00	06:00	24.0	109	0 MIRU CRAIG'S AIR RIC

0 MIRU CRAIG'S AIR RIG #2 ON 12/22/2011. DRILLED 12–1/4" HOLE TO 2806' GL (2825' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO 1820' THEN PUMP DRILLED TO TD WITH FULL RETURNS. RAN 67 JTS (2796.80') OF 9–5/8", 36.0#, K–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 15 CENTRALIZERS SPACED 10' FROM THE SHOE, ON TOP OF JOINTS #2 AND #3 THEN EVERY 5TH COLLAR TO SURFACE. LANDED @ 2815.80' TRUE #34 RKB. RAN 200' OF 1" PIPE DOWN BACK SIDE. RDMO CRAIG'S AIR RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2390 PSIG. PUMPED 212 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.

LEAD: MIXED AND PUMPED 250 SACKS (182 BBLS) OF PREMIUM LEAD CEMENT WITH 0.3% VERSASET, 2% CAL–SEAL, AND 2% ECONOLITE. MIXED LEAD CEMENT @ 10.5 PPG WITH YIELD OF 4.1 CF/SX.

TAIL: MIXED AND PUMPED 300 SACKS (63 BBLS) OF PREMIUM CEMENT WITH 2% CACL2 MIXED TAIL CEMENT @ 15.6 PPG WITH YIELD OF 1.18 CF/SX.

DISPLACED CEMENT WITH 213 BBLS FRESH WATER. BUMPED PLUG WITH 2400# @ 09:30 AM ON 12/30/11. FLOAT HELD. SHUT–IN CASING VALVE. BROKE CIRCULATION 200 BBLS INTO FRESH WATER FLUSH, HAD PARTIAL RETURNS UNTIL PLUG LANDED. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 150 SX (30 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. NO CEMENT TO SURFACE. WOC 3 HR.

TOP JOB #2: PUMP DOWN 6' OF 1" PIPE. MIXED & PUMPED 50 SX (10 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. GOOD CEMENT TO SURFACE. HOLE STOOD FULL.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #2 TOOK SURVEYS WHILE DRILLING HOLE @

1750' = 1.00 DEGREE, 2170' = 0.50 DEGREE, 2500' = 1.00 DEGREE, AND 2800' = 1.50 DEGREE.

KYLAN COOK NOTIFIED BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON  $12/31/11\ @\ 06:30\ AM.$ 

01-23-2012	Re	eported By	J	OHNNY TURNE	R						
DailyCosts: Drilling \$95,0			089	Com	pletion	\$0		Daily Total			
<b>Cum Costs: Drilling</b>		\$331,755		<b>Completion</b> \$0			Well Total				
MD	2,825	TVD	2,825	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation: PBT			PBTD:	0.0		Perf:			PKR Dep	oth: 0.0	

**Activity at Report Time: MIRURT** 

Start	End	Hrs	From	To	Activity Description
06:00	18:00	12.0	0		0 HOLD SAFETY MEETING & RIG DOWN ON THE CWU 1487–26D & MOVE 8 MILES W/ RW JONES TRUCKING, RIG UP ON NEW LOCATION. 50% RIGGED UP & 100% OFF OLD LOCATION. ESTIMATED SPUD DATE 1/23/12.
18:00	06:00	12.0	0		0 RIG IDLE, WAIT ON DAYLIGHTS.

1,5 MAN CREW

NO INCIDENT NO ACCIDENT

SAFETY MEETING, WORKING W/ TRUCKERS & CRANE CREW WHILE RIGGING DOWN & RIGGING UP

FUEL 2508 GALS. USED 0 GALS

TRANSFERED 2508 GALS OF FUEL FROM CWU 1487–26D

01-24-2012	Re	ported By	JO	HNNY TURNE	ER							
DailyCosts: Drilling		\$64,9	149	Completion		\$0		Daily Total			\$64,949	
<b>Cum Costs: Drilling</b>		\$396,704		Completion		\$0		Well Total				
MD	2,816	TVD	2,816	Progress	0	Days	0	MW	10.7	Visc	36.0	
Formation: PBT			<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0		

Activity at Report Time: DRILLING FLOAT EQUIPMENT @ 2769

Start	End	Hrs l	From To	Activity Description
06:00	11:00	5.0	0	0 FINISH SETTING IN RIG, RAISE DERRICK @ 10:45, RELEASE TRUCKS @ 11:00.
11:00	16:00	5.0	0	0 FINISH RIGGING UP, PICK UP ROTARY TOOLS. RIG EXCEPTED @ 16:00 1/23/2012.
16:00	18:00	2.0	0	0 NIPPLE UP BOP, CHOKE LINES & FLOWLINE.
18:00	23:00	5.0	0	0 TEST STACK. TEST PIPE RAMS, BLIND RAMS, HCR, CHOKE LINES, MANIFOLD, KILL LINE VALVES, UPPER & LOWER KELLY & INSIDE BOP 5000 PSI HIGH – 10 MINUTES / 250 PSI LOW – 5 MIN. TEST ANNULAR PREVENTER 250/2500 PSI FOR 10 MINUTES. PERFORM ACCUMULATOR FUNCTION TEST.
				TEST CASING TO 1500 PSI FOR 30 MIN. ALL TESTS OK.
23:00	23:30	0.5	0	0 TEST CASING @ 1500# FOR 30 MIN.
23:30	00:00	0.5	0	0 INSTALL WEAR BUSHING.
00:00	04:00	4.0	0	0 PJSM W/ WEATHERFORD LAY DOWN CREW & PICKUP BHA & RIG DOWN LAY DOWN TRUCK.
04:00	05:00	1.0	0	0 TORQUE KELLY, INSTALL KELLY DRIVE BUSHING, KELLY SPINNERS& ROTATING RUBBER.

Well Name: NCW 232-33 Field: CHAPITA DEEP Property: 057327 05:00 06:00 0 DRILL CEMENT/FLOAT EQUIP., TAG CEMENT @ 2745. 1.0 0 NO INCIDENT, NO ACCIDENT FULL CREWS SAFETY MEETING, RIGGING UP, PICKING UP BHA FUEL 8892 GALS, USED 1616 GALS, RECIEVED 8000 GALS. JOHNNY TURNER 01-25-2012 Reported By \$32,813 \$0 \$32,813 DailyCosts: Drilling **Daily Total** Completion **Cum Costs: Drilling** \$429,518 Completion \$0 **Well Total** \$429,518 34.0 MD 4,550 **TVD** 4,550 1,725 MW10.3 Visc **Progress Days PBTD**: 0.0 PKR Depth: 0.0 **Formation:** Perf: Activity at Report Time: DRILLING @ 45503 Start End From To **Activity Description** Hrs 06:00 07:00 2825 2835 DRILL CEMENT/FLOAT EQUIP. & 10' OF NEW HOLE. 1.0 07:00 07:30 0.5 0 0 CIRCULATE FOR F.I.T. 0 PREFORM F.I.T. @ 2835', PRESSURED UP TO 311# & FELL BACK TO 0#, CHECKED ALL SURFACE 08:00 0 07:30 0.5 EQUIPMENT, ALL WAS GOOD, TOOK 10BBLS WHEN KICKED PUMP BACK IN TO GET FLOW, LOST 30BBLS. SPUD WELL @ 07:00 1/24/2012 3248 DRILL FROM 2835' TO 3248', 413', 75.1 FPH, WOB 10-25K, RPM 55/60, SPP 1400 PSI, DIFF. 250-450 08:00 13:30 2835 5.5 PSI. 13:30 14:00 0.5 0 0 SERVICE RIG. 14:00 20:30 6.5 3248 3845 DRILL FROM 3248' TO 3845, 597', 91.8 FPH, WOB 10-25K, RPM 55/60, SPP 1400 PSI, DIFF. 250-450 0 SURVEY @ 3796' @ 1.61 DEGREE. 20:30 21:00 0.5 0 21:00 06:00 9.0 3845 0 DRILL FROM 3845' TO 4550', 705', 78.3 FPH, WOB 10-25K, RPM 55/60, SPP 1500 PSI, DIFF. 250-450 PSI. NO ACCIDENT, NO INCIDENT **FULL CREWS** SAFETY MEETING, LAST DAY AWARNESS, MIXING MUD COM CHECK DRILLING FUEL 7168 GALS, USED 1724 GALS 06:00 0 SPUD 8 3/4" HOLE @ 7:00 HRS, 1/24/12. 01-26-2012 Reported By JOHNNY TURNER DailyCosts: Drilling \$32,725 Completion \$0 **Daily Total** \$32,725 **Cum Costs: Drilling** \$462,244 Completion \$0 Well Total \$462,244 TVD MD 5.580 5,580 **Progress** 1.030 Days 2 MW10.4 Visc 38.0 **PBTD**: 0.0 Formation: Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 55803 **Activity Description** Start End From To Hrs

Sundry Number: 23753 API Well Number: 43047514030000

 Start
 End
 Hrs
 From To
 Activity Description

 06:00
 09:00
 3.0
 4550
 4844
 DRILL FROM 4550' TO 4844', 294', 98 FPH, WOB 10–25K, RPM 55/60, SPP 1500 PSI, DIFF. 150–300 PSI.

 09:00
 09:30
 0.5
 0
 0 SURVEY @ 4768' @ 1.96 DEGREE.

,,,,,		202 00				110101 011					rroperty. oz /	
09:30	16:30	7.0	4844	5189	DRILL FROM 4	844' TO 518	39', 345', 49.2 1	FPH, WOB	10–25K, RP	M 55/60, SPP	1500 PSI, DIF	F. 250– 450
					PSI.							
16:30	17:00	0.5	0		SERVICE RIG.							
17:00	06:00	13.0	5189	5580	DRILL FROM 5 PSI.	189/10 558	30′, 391′, 30 FF	PH, WOB 10	0–25K, RPM	1 55/60, SPP 1	650 PSI, DIFF.	250– 450
					NO INCIDENT	NO ACCIDI	ENT					
					FULL CREWS							
					BOP DRILL BO	TH CREWS						
					SAFETY MEET		NSPECTION, O	CLEANING	G LIGHT PLA	ANT		
					COM CHECK D		702 G 4 I G					
					FUEL 5376 GAI		/92 GALS					
01-27-2		Reporte	-		JOHNNY TURN	IER						
-	osts: Drilli	_	\$28,58			mpletion	\$0		-	y Total	\$28,589	
Cum Co	osts: Drilli	ing	\$490,8	34	Co	mpletion	\$0		Well	Total	\$490,834	
MD	6,40	00 <b>TV</b> I	D	6,400	O Progress	820	Days	3	MW	10.4	Visc	40.0
Format				PBTD			Perf:			PKR De	<b>pth</b> : 0.0	
Activity	at Repor	t Time: D	RILLIN	G @ 640	00'							
Start	End	Hrs	From '	То	<b>Activity Descr</b>	iption						
06:00	15:00	9.0	5580	5909	DRILL FROM 5 PSI.	580' TO 590	9', 329', 36.5 1	FPH, WOB	10–25K, RP	M 45/60, SPP	1800 PSI, DIF	F. 100–350
15:00	15:30	0.5	0	0	SERVICE RIG.							
15:30	06:00	14.5	5909		DRILL FROM 5	909' TO 640	00', 491', 33.91	FPH, WOB	10-25K, RP	M 45/60, SPP	1900 PSI, DIF	F. 100–350
					PSI.							
					NO INCIDENT	NO ACCIDI	ENT					
					FULL CREWS							
					SAFETY MEET	ING, INSPE	CTING EQUI	PMENT, DI	RIVING TO	& FROM RIC	i.	
					COM CHECK D	RILLING.						
					FUEL 3360 GAI	LS., USED 2	016 GALS.					
01-28-2	2012	Reporte	ed By		JOHNNY TURN	IER						
DailyCo	osts: Drilli	ng	\$89,19	5	Co	mpletion	\$891		Dail	y Total	\$90,086	
Cum Co	osts: Drilli	ing	\$580,0	30	Co	mpletion	\$891		Well	Total	\$580,921	
MD	7,10	8 <b>TV</b> I	D	7,10	8 Progress	708	Days	4	MW	10.5	Visc	37.0
Format	ion :		]	PBTD	: 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity	at Repor	t Time: T	OH FOR	BIT								
Start	End	Hrs	From	То	<b>Activity Descr</b>	iption						
06:00	15:00	9.0	6400	6753	DRILL FROM 6 PSI.	400' TO 675	33', 353', 39.2 1	FPH, WOB	10–25K, RP	M 45/60, SPP	2000 PSI, DIF	F. 100–350
15:00	15:30	0.5	0	0	SERVICE RIG.							
15:30	04:30	13.0	6753	7108	DRILL FROM 6 PSI.	753' TO 710	08', 355', 27.3	FPH, WOB	10–25K, RF	PM 45/60, SPF	2000 PSI, DIF	F. 100–350
04:30	06:00	1.5	0	0	DROP SURVEY	, PUMP SLU	JG & TRIP OU	T OF HOL	E FOR BIT	#1. TIGHT S	POT 3400-3100	)', PULLEI

Field: CHAPITA DEEP

Sundry Number: 23753 API Well Number: 43047514030000

Well Name: NCW 232-33

50K# OVER.

Property: 057327

NO INCIDENTS OR ACCIDENTS

FULL CREWS

COM CHECK DRILLING & TRIPPING

SAFETY MEETING, OPERATING FORK LIFT, KEEPING ICE OFF OF STAIRS

FUEL 8288 GALS, USED 2072 GALS

01-29-2012	Re	eported By	В	ILL SNAPP							
DailyCosts: D	rilling	\$28,2	77	Con	pletion	\$0		Daily	Total	\$28,277	
Cum Costs: D	rilling	\$608,	307	Con	pletion	\$891		Well	<b>Fotal</b>	\$609,198	
MD	7,650	TVD	7,650	Progress	542	Days	5	MW	10.9	Visc	39.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 7650'

Start	End	Hrs	From	To	Activity Description
06:00	08:00	2.0	0	7108	CONT'D TOH, NUMEROUS BROKEN CUTTERS ON BIT SHOULDER (PROBABLE DBR), BIT BALLED UP, MOTOR CHECKED OK, BUT WILL CHANGE DUE TO HOURS. DROPPED SURVEY AT 7033' – 1.63 DEG.
07:30	09:00	1.5	0	7108	CHANGE OUT TO 7 7/8" BIT, PU & MAKE UP NEW MUD MOTOR.
09:00	12:00	3.0	0	7108	TRIP IN HOLE BIT #2 AND NEW MM. NO PROBLEMS, NO TIGHT SPOTS.
12:00	15:00	3.0	7108	7150	DRILL FROM 7108' TO 7150', 42', 14 FPH.
					WOB 10–25K, RPM 45/65, SPP 2400 PSI, DIFF. 100–350 PSI.
15:00	15:30	0.5	0	7150	RIG SERVICE.
15:30	06:00	14.5	7150	7650	DRILL FROM 7150' TO 7650', 500', 34.5 FPH.
					WOB 10–25K, RPM 45/65, SPP 2000 PSI, DIFF. 100–350 PSI.
					NO INCIDENTS, NO ACCIDENTS.
					FULL CREWS
					COM CHECK DRILLING & TRIPPING.

			SAFETY MEETING, TRIPPI	NG, WORK ON	PUMPS.	
			FUEL 6384 GALS, USED 190	04 GALS.		
01-30-2012	Report	ed By	BILL SNAPP			
DailyCosts: Drill	ing	\$29,056	Completion	\$0	Daily Total	\$29,056
Cum Costs: Dril	ling	\$637,363	Completion	\$891	Well Total	\$638,254

Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0

**Progress** 

560

Activity at Report Time: DRILLING @ 8210'

TVD

8,210

MD

Start	End	Hrs	From	То	Activity Description
06:00	15:30	9.5	7650	7960	DRILL FROM 7650' TO 7960' , 310' , 32.6 FPH, WOB 15–25K, RPM 45/65, SPP 2400 PSI, DIFF. 100–350 PSI.
					MUD WT: 11.0 PPG
15:30	16:00	0.5	0	7960	SERVICE RIG
16:00	06:00	14.0	7960	8210	DRILL FROM 7960' TO 8210' , 250' , 18 FPH, WOB 15–25K, RPM 45/65, SPP 2300 PSI, DIFF. 80–300 PSI.
					ROP RANGING F/8 FPH TO 106 FPH. DIFF PSI RANGING F/80 TO 300
					MUD WT: 11.0 PPG
					NO INCIDENT NO ACCIDENT

Days

MW

11.0

Visc

38.0

FULL CREWS

COM CHECK DRILLING.

SAFETY MEETING: HOUSEKEEPING. FUEL: 4256 GALS, USED 2128 GALS.

					FUEL: 4256 GAI	LS, USED 2	2128 GALS.					
01-31-2	2012	Repor	ted By		BILL SNAPP							
DailyCo	sts: Drill	ing	\$64,0	30	Co	mpletion	\$0		Dail	y Total	\$64,030	
Cum Co	osts: Drill	ing	\$701,	394	Co	mpletion	\$891		Well	l Total	\$702,285	
MD	8,83	30 <b>TV</b>	V <b>D</b>	8,83	0 Progress	620	Days	7	MW	11.2	Visc	39.0
Formati	ion :			PBTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
Activity	at Repor	t Time:	DRILLIN	NG @ 88	30'							
Start	End	Hrs	From	To	Activity Descr	iption						
06:00	15:30	9.5	8210	8425	DRILL FROM 82 PSI.	210' TO 842	25', 215', 22.0	5 FPH, WOE	3 15–20K, RI	PM 45/65, SPP	2300 PSI, DIF	F. 100–300
					FORMATION TO	OP: PRICE	RIVER@ 806	63'				
					MUD WT: 11.0 I	PPG						
15:30	16:00	0.5	5 0	8425	SERVICE RIG							
16:00	06:00	14.0	8425	8830	DRILL FROM 84 GPM, DIFF. 100-		30' , 405', 29 1	FPH, WOB 1	5–20K, RPN	/I 56/60, MM R	RPM 68 SPP 26	00 PSI, 42
					MUD WT: 11.2 I	PPG						
					NO INCIDENT I		ENT					
					FULL CREWS							
					COM CHECK D	RILLING.						
					SAFETY MEET	ING: DAIL	GREASING	, MAKING	CONNECTI	ONS		
					FUEL: 9072 GAI	LS, USED 2	184 GALS.R	CVD 7000 C	GAL.			
02-01-2	2012	Repor	ted By		BILL SNAPP							
DailyCo	sts: Drill	ing	\$54,7	97	Co	mpletion	\$0		Dail	y Total	\$54,797	
Cum Co	osts: Drill	ing	\$756,	191	Co	mpletion	\$891		Well	Total	\$757,082	
MD	9,4	10 <b>TV</b>	V <b>D</b>	9,41	0 Progress	580	Days	8	MW	11.4	Visc	41.0
Formati	ion :			PBTD	: 0.0		Perf:			PKR Dep	oth: 0.0	
Activity	at Repor	t Time:	DRILLIN	NG @ 94	10'							
Start	End	Hrs	From	To	Activity Descr	iption						
06:00	15:30	9.5	8830	9078	DRILL FROM 88 GPM, DIFF. 100						RPM 68 SPP 26	00 PSI, 42
					MUD WT: 11.3 I	PPG						
15:30	16:00	0.5	5 0	9078	SERVICE RIG.							
16:00	06:00	14.0	9078	9410	DRILL FROM 90 426 GPM, DIFF.			7 FPH, WOE	3 20–24K, RI	PM 56/60, MM	RPM 68 SPP 2	2600 PSI,
					MUD WT: 11.4 I	PPG						
					LOST +/- 65/70	BBL TO SI	EEPAGE IN 2	4 HRS.				
					NO INCIDENT I	NO ACCID	ENT					

SAFETY MEETING: INSPECTING PPE, DRIVING TO/FROM WORK

FULL CREWS

COM CHECK DRILLING.

FUEL: 7056 GALS, US	ED 2016 GALS.
---------------------	---------------

				FUEL: 7056 GAL	S, USED 2	UIO GALS.					
02-02-2012	Repo	rted By		BILL SNAPP							
DailyCosts: Drill	ing	\$38,0	90	Con	pletion	\$7,855		Dail	y Total	\$45,946	
Cum Costs: Dril	ling	\$794,	282	Con	pletion	\$8,746		Well	Total	\$803,029	
<b>MD</b> 9,7	<b>T</b> 00	<b>VD</b>	9,70	0 Progress	290	Days	9	MW	11.5	Visc	40.0
Formation :			PBTD	: 0.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Repor	rt Time	: DRILLIN	NG @ 97	00'							
Start End	Hrs	From	To	<b>Activity Descrip</b>	otion						
06:00 09:00	3	.0 9410	9440	DRILL FROM 94 GPM, DIFF. 100–2							0 PSI, 426
				MUD WT: 11.4 PF	PG						
09:00 09:30		.5 0		CIRC, MIX DRYI							
09:30 14:00	4	.5 0	9440	DROP SURVEY, O			LUG AND	POOH F/ BI	Τ#3 . NO DR	AG ON TRIP (	UT.
				HOLE TOOK 10 I							
14:00 15:00		.0 0		PU BIT #3 AND C	C/O NOV N	MUD MOTORS	S 7/8 LOBE	– 2.9 STAG	E– .16 RPG.		
15:00 15:30		.5 0		SERVICE RIG	. CH THE		CDOT EL C	251 TO 600	), AND 201 TO	DOTTOM.	
15:30 19:30 19:30 06:00	10	.0 0 .5 9440		TIH W/BIT #3, WA DRILL FROM 944 419 GPM, DIFF. 1	40' TO 970	0', 260', 24.8					2600 PSI,
				MUD WT: 11.5 PF		01.					
				NO FLIUD LOST							
				FORMATION: LO			9633'				
				NO INCIDENT N	O ACCIDI	ENT					
				FULL CREWS	H I DIG						
				COM CHECK DR		CTING DDE		S EL COD			
				SAFETY MEETIN FUEL: 5040 GAL			LEANING	FLOOK			
2-03-2012	Dono	rted By		BILL SNAPP	3, USED 2	olo GALS.					
	_	\$31,5	00		pletion	\$0		Doil	y Total	\$31,509	
DailyCosts: Drill Cum Costs: Dril	_	\$825,			pletion	\$8,746			y Iotal Total	\$834,538	
	_						10				20.0
	327 <b>T</b>	VD	10,32	0	627	Days	10	MW	11.6	Visc	39.0
ormation :			PBTD			Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
activity at Repor	rt Time			,327'							
tart End	Hrs	From	То	<b>Activity Descrip</b>	otion						
06:00 16:30	10	.5 9700	10047	DRILL FROM 970 419 GPM, DIFF. 1	00-300 PS		FPH, WOB	20–24K, RF	PM 52/59, MN	I RPM 67 SPP	2600 PSI,
				MUD WT: 11.5+ I							
		_		NO FLIUD LOST							
16:30 17:00		.5 0		SERVICE RIG				00.00	DD1 ( 52 (52 )	D. D. D. C	D 4500 -
17:00 06:00	13	.0 10047	10327	DRILL FROM 100 404 GPM, DIFF. 1	00-300 PS		.5 FPH, WO	OB 20–24K,	RPM 52/59, N	MM RPM 65 SI	PP 2500 P
				MUD WT: 11.7 PF	?G						
				FLIUD LOST: 120	) BBL						

FORMATION: SEGO@ 10,186'. NO INCIDENT NO ACCIDENT

FULL CREWS

COM CHECK DRILLING.

SAFETY MEETING: WORKING ON PUMPS. FUEL: 2912 GALS, USED 2128 GALS.

02-04-2012	Re	ported By	BI	LL SNAPP							
DailyCosts: D	rilling	\$54,9	994	Con	npletion	\$0		Daily	Total	\$54,994	
Cum Costs: D	rilling	\$880	,786	Con	npletion	\$8,746		Well	Total	\$889,533	
MD	10,560	TVD	10,560	Progress	229	Days	11	MW	11.8	Visc	39.0
Formation:			<b>PBTD</b> : 0	.0		Perf:			PKR Den	oth: 0.0	

Activity at Report Time: DRILLING @ 10,560'

Start	End	Hrs	From	То	Activity Description
06:00	07:00	1.0	10327	10331	DRILL FROM 10327' TO 10331', 4', 4 FPH, WOB 20–24K, RPM 52/59, MM RPM 65 SPP 2500 PSI, 404 GPM, DIFF. 100–300 PSI. ROP SLOWING CONSIDERABLY, ELEVATED SPP OFF BOTTOM, NO BACK–SPIN ON MOTOR WHEN ON BOTTOM. PREPARE TO POOH F/MUD MOTOR. MUD WT: 11.7 PPG, FLIUD LOST: 120 BBLS.
07:00	07:30	0.5	0	10331	CIRCULATE OFF BOTTOM TO BUILD 30 BBL ,13.7 PPG SLUG.
07:30	11:00	3.5	0	10331	DROP SURVEY, CHECK FLOW – NEGATIVE, PUMP SLUG AND POOH FOR MUD MOTOR. NO TIGHT SPOTS, HOLE TOOK 12 BBL EXCESS FILL.
11:00	12:00	1.0	0	10331	FOUND BIT RUNG OUT, MUD MOTOR LEAKING OIL, DID NOT DRAIN STRONG. PU HUNTING $7/8$ LOBE– $2.P$ STAGE MUD MOTOR – $.17$ RPG.
12:00	12:30	0.5	0	10331	SERVICE RIG.
12:30	14:00	1.5	0	10331	WAIT ON DETERMINATION OF NEXT BIT, C/O BIT.
14:00	15:30	1.5	0	10331	TRIP IN HOLE W/BIT #4 TO CASING SHOE.
15:30	16:30	1.0	0	10331	SLIP & CUT DRILL LINE.
16:30	19:30	3.0	0	10331	TRIP IN HOLE W/BIT #4, FILLING EVERY 25 STANDS, W/R 35' TO BOTTOM, NO PROBLEMS.
19:30	20:00	0.5	0	10331	BREAK CIRCULATION, BRING PUMP LIGHTLY AND STAGING UP TO 408 GPM.
20:00	20:30	0.5	0	10331	WORK TO BOTTOM, CLEANING OUT ANY POSSIBLE JUNK.
20:30	06:00	9.5	10331	10560	DRILL FROM 10331' TO 10560', 229', 24 FPH, WOB 20–24K, RPM 32/35, MM RPM 69 SPP 2560 PSI, 408 GPM, DIFF. 100–250 PSI. AT 10,331' 25' TO 30' FLARE W/BOTTOMS UP LASTING 25 MIN. THEN NO FLARE. AT 10,450' INTERMITTENT LAZY 2/3' FLARE. MUD WT: 11.8+ PPG. DUSTING MW TO 11.9 PPG. FLIUD LOST: 60 BBL.

FORMATION: CASTLEGATE@ 10,337'.

NO INCIDENT NO ACCIDENT
FULL CREWS
COM CHECK DRILLING.

SAFETY MEETING: CUTTING DL.

FUEL: 5814 GALS, USED 1598 GAL. RCVD 4500 GAL.

02-05-2012 Reported By BILL SNAPP DailyCosts: Drilling \$32,921 **Daily Total** \$32,921 Completion \$0 **Cum Costs: Drilling** \$913,708 \$8,746 **Well Total** \$922,455 Completion MD 11,180 TVD 11,180 Progress 620 Days 12 MW12.0 Visc 40.0 Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0

Activity at Report Time: WIPER TRIP

Start	End	Hrs	From	То	Activity Descrip	otion							
06:00	14:00	8.0	10560	10802	DRILL FROM 10:	560' TO 10	802', 242', 30	FPH.					
					WOB 20–24K, RF 26000 PSI, 408 GI INTERMITTENT	PM, DIFF.	100-250 PSI. 1			,			
14:00	14:30	0.5	0	10802	SERVICE RIG.								
14:30	02:30	12.0	10802	11180	DRILL FROM 108	302' TO 11	180', 378', 31.	5 FPH.					
					WOB 20–24K, RF IN AND OUT. RE								
02:30	04:30	2.0	0	11180	CIRCULATE 1 1/2 SLUG. 8'/10' FL							DRYING	
04:30	06:00	1.5	0	11180	TOH FOR 20 STA	ND WIPE	R TRIP TO 928	35'.					
					FLIUD LOST: 175	BBLS. IN	V 24 HRS						
					NO INCIDENT N	O ACCIDI	ENT						
					FULL CREWS								
					COM CHECK DR	ILLING.							
					SAFETY MEETIN	NG: MIXIN	NG LCM.						
					FUEL: 3762 GAL	S, USED 2	052 GAL.						
					BILL SNAPP NO PRODUCTION C. 02/04/12.								
02-06-2	2012	Report	ed By		BILL SNAPP								
DailyCo	sts: Drilli	ng	\$33,90	61	Con	pletion	\$0		Dai	ily Total	\$33,961		
Cum Co	sts: Drilli	ng	\$947,	669	<b>Completion</b> \$8,746 <b>Well Total</b> \$956,416								
MD	11,13	80 <b>TV</b>	D	11,18	O Progress	0	Days	13	MW	12.2	Visc	40.0	
Formati	on:			PBTD	: 0.0		Perf:			PKR Dep	<b>th</b> : 0.0		
Activity	at Repor	t Time: (	CIRCUL.	ATING F	FOR CMT JOB, CA	SING LAI	NDED @ 11,17	1'					
Start	End	Hrs	From	То	<b>Activity Descrip</b>	otion							
06:00	07:00	1.0	0	11180	WIPER TRIP OUT IN HOLE TO 1113			ABNORM	AL DRAG	, TWO BBL EX	CESS FILL. T	RIP BACK	
07:00	13:30	6.5	0	11180	CIRCULATE BOT MINS., THEN 6' 12.1 PPG. NO LO RATE TO 325 GP	LASTING SSES @ 3:	5 MIN.THEN 50 GPM. RAIS	NO FLARE	. RAISE M	MUD WT. SLOW	LY FROM 12	PPG TO	
13:30	14:00	0.5	0	0	DROP SURVEY, O	CHECK FI	OW, PUMP 40	BBL., 14 F	PG SLUG	r.			
14:00	20:30	6.5	0	0	PJSM W/ WEATH TOOK 16 BBL EX						DP AND LD	BHA. HOLE	
20:30	21:30	1.0	0	0	PULL WEAR BU	SHING AN	ND RIG UP CA	SING CRE	W.				
21:30	06:00	8.5	0	0	PJSM W/CASING 110, LT&C + 2 M. FLOAT COLLAR PRICE RIVER, 74 RAN 3 TURBILIZ EVERY 3RD JOIN DOWN TAG JOIN CASING WENT T CASING @ REPO	ARKER JO WLATCI JTS, CAS ZERS (5' A NT THERE JT, PICK U	DINTS 11.6#, H H DOWN BAFF HING, 20' MAR BOVE SHOE A EAFTER TO 40 JP MANDREL DM W/ NO HOI	ICP-110, LT FLE, 72 JTS KER JOINT AND MIDD 0' ABOVE ' & LAND C	Γ&C) AS F S OF CASI Γ, @ 400' A LE OF JTS WASATCH ASING W	FOLLOWS: FLC ING, 20' MARK ABOVE WASAT S #2 & #3) + 1 B H (TOTAL OF 49 I/ 100K STRING	OAT SHOE, 1 I ER JOINT, @ ICH, 113 JTS O OW CENTRA O) TAG BOTT G WEIGHT @	T CASING, TOP OF CASING. ALIZER OM, LAY 11171'.	

CASING LANDED AS FOLLOWS (DEPTHS SHOWN ARE TOPS OF COMPONENTS UNLESS  $\,$ 

OTHERWISE STATED):

FLOAT SHOE (BOTTOM): 11,171'

FLOAT COLLAR: 11,127' MARKER JOINT: 8067' MARKER JOINT: 4891'

NO INCIDENTS, NO ACCIDENTS

FULL CREWS

COM CHECK DRILLING.

SAFETY MEETING: L/D DP, RUNNING CASING.

FUEL: 2394 GALS, USED 1368 GAL.

02-07-2012	Re	eported By	BI	LL SNAPP							
DailyCosts: Dri	lling	\$36,	126	Con	npletion	\$230,717		Daily	Total	\$266,844	
Cum Costs: Dri	lling	\$983	,795	Con	npletion	\$239,464		Well	<b>Fotal</b>	\$1,223,260	
<b>MD</b> 11	,180	TVD	11,180	Progress	0	Days	14	MW	0.0	Visc	0.0
Formation:			<b>PRTD</b> : 0	0		Perf:			PKR Der	<b>th</b> : 0.0	

Activity at Report Time: RDRT/WO COMPLETION

Start	End	Hrs	From	To	Activity Description
06:00	07:30	1.5	0	11180	RIG UP HALLIBURTON CEMENTING HEAD AND CIRC BOTTOMS UP TO CLEAR FLOATS AND SEE BOTTOMS UP GAS. 15' FLARE LASTING 20 MIN.
07:30	08:00	0.5	0	0	PJSM W/ HALLIBURTON AND RIG UP SAME.
08:00	11:30	3.5	0	0	TEST LINES TO 5000 PSI. PUMP 20 BBLS MUD FLUSH +0.5 GPT GA25, 10 BBLS OF WATER+0.5 GPT GA25, PUMP 725 SX(200 BBLS) HIGHBOND LEAD CEMENT @ 12.7 PPG. TAILED WITH 1865 SX (485 BBLS.) EXTENDACEM CEMENT @ 13.5 PPG. WASH UP AND DROP LATCH DOWN PLUG. DISPLACED WITH 171 BBLS(ONE BBL EARLY) FRESH WATER + 0.5 GAL/1000 GAL MYACIDE GA25 @ 8 BPM, SLOWED TO 3 BPM PRESSURE @ 3100 PSI. BUMP PLUG TO 4700 PSI. FLOATS HELD 3 BBLS BACK. NO CEMENT TO SURFACE. BUMPED PLUG @ 11:11 AM ON 2/6/2012. GOOD RETURNS THROUGHOUT CEMENT JOB.
11:30	12:30	1.0	0	0	PRESSURE BACK UP ON CASING TO 1500 PSI & HOLD FOR 1 HR.
12:30	13:30	1.0	0	0	REMOVE LANDING JT. SET & TEST PACK OFF TO 5000# FOR 15 MIN.
13:30	16:00	2.5	0	0	NIPPLE DOWN & CLEAN MUD PITS. RELEASE RIG @ 18:00 HRS, 2/6/12.
16:00	06:00	14.0	0	0	RIG DOWN & PREPARE TO MOVE TO CWU 1542–26D. TRUCKS TO BE ON LOCATION 06:00 2/7/12.

NO INCIDENTS, NO ACCIDENTS

FULL CREWS

COM CHECK DRILLING.

SAFETY MEETING: L/D DP, RUNNING CASING.

FUEL: 2000 GALS, USED 394 GAL.

06:00 0 RIG RELEASED AT 18:00 HRS. 02/06/2012

CASING POINT COST \$983,796

 02–13–2012
 Reported By
 SEARLE

 Daily Costs: Drilling
 \$0
 Completion
 \$29,800
 Daily Total
 \$29,800

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

Cum Costs: Dr	illing	\$983	,795	Cor	npletion	\$269,264		Well	Total	\$1,253,060	
<b>MD</b> 11	,180 <b>T</b>	VD	11,180	Progress	0	Days	15	MW	0.0	Visc	0.0
Formation :			<b>PBTD</b> : 1	11127.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Rep	ort Time:	PREP FO	OR FRACS								
Start End	Hrs	From	To A	ctivity Descri	ption						
06:00		C		IIRU SCHLUM OP @ 1510'. RI		LOG WITH RS	T/CBL/CC	L/VDL/GR I	FROM 11087'	TO 900'. EST C	CEMENT
)2-18-2012	Repor	ted By	M	ICCURDY							
DailyCosts: Dr	lling	\$0		Cor	npletion	\$1,450		Dail	y Total	\$1,450	
Cum Costs: Dr	illing	\$983	,795	Cor	npletion	\$270,714		Well	Total	\$1,254,510	
<b>MD</b> 11	,180 <b>T</b>	VD	11,180	Progress	0	Days	16	MW	0.0	Visc	0.0
Formation : BL	ACK HAW	/K	<b>PBTD</b> : 1	_		Perf: 10824	4'-11029'		PKR De	<b>oth:</b> 0.0	
Activity at Rep	ort Time:	MIRU H	ALLIBURT	ON FRAC STA	GES 1 THE				•	•	
Start End	Hrs	From	To A	ctivity Descri	ption						
06:00 06:00		) (		RAC TANKS PI	_	W/ BIOCIDE	(BE 6) @ 3	FER TAN	ζ.		
2 21 2012	Danas	tod Dv	N	ALCO 6106, PI					ESH WATER	. PUMP 110 GA	AL OF
02-21-2012	Repor	ted By	M	ICCURDY							
DailyCosts: Dr	lling	\$0		Cor	npletion	\$305,405		Dail	y Total	\$305,405	
Cum Costs: Dr	illing	\$983	,795	Cor	npletion	\$576,119		Well	Total	\$1,559,915	
<b>MD</b> 11	,180 <b>T</b>	VD	11,180	Progress	0	Days	17	MW	0.0	Visc	0.0
Formation : BL	ACK HAW	/K	<b>PBTD</b> : 1	11127.0		<b>Perf:</b> 8972	'-11029'		PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Rep	ort Time:	FLOW T	TEST TO SA	LES							
Start End	Hrs	From	To A	ctivity Descri	ption						
06:00 06:00	) 24.0	O C	G 20 P:	AL BIOCIDE (. 0/40 SAND @ 1 SIG. MTR 50.5	ALDACIDI –1.5 PPG, BPM. ATP	E @ 2GPT), 122 49396 GAL 164 6162 PSIG. AT	26 GAL 169 # DELTA 20 R 46.1 BPN	# LINEAR P 00 W/167900 1. ISIP 4734	AD, 5960 GA )# 20/40 SAN PSIG. RD H <i>A</i>	C DOWN CASII L 16# LINEAR D @ 2–5 PPG. N ALLIBURTON.	W/8100# MTP 7523
			10 98 N Pl 20 G	0041'–42', 1001 858'–59'@ 3 SF ALCO EC 6707 LUS 5 BBLS FF GPT). 1778 GAI	6'-17', 99' PF & 120 D SCALE IN RESH WAT L 16# LINE 200 W/188	96'–97', 9955'- EGREE PHASI NHIBITOR PLU 'ER. FRAC LPI EAR PAD, 745 8700# 20/40 SA	-56', 9942' ING. RDWI JS 5 BBLS R DOWN C I GAL 16# .ND @ 2-5	-43', 9918'- L RU WIE FRESH WA' ASING W/I LINEAR W PPG. MTP	-19', 9897'–98 DE SPREAD I FER . PUMP 1 5 GAL BIOC '9700# 20/40 \$	8', 9887'–88', 98 PUMP 165 GAL 110 GAL OF NA IDE (ALDACID SAND @ 1–1.5 TR 50.4 BPM. A	874'-75', OF ALCO 610 DE @ PPG, 557
			93 93 N Pl	740'–41', 9705' 538'–39'@ 3 SE ALCO EC 6707	–06', 9692 PF & 120 D SCALE IN RESH WAT	'–93', 9674'–75 EGREE PHASI NHIBITOR PLU ER. FRAC LPI	5', 9666'–6 ING. RDWI JS 5 BBLS R DOWN C	7', 9644'–35 L RU WIE FRESH WA ASING W/1	i', 9634'–35', DE SPREAD I FER . PUMP I 5 GAL BIOC	'-95', 9786'-87 9602'-03', 958' PUMP 165 GAL 110 GAL OF NA IDE (ALDACID	2'-83', , OF ALCO 610 DE @

Page 13

PSIG. ATR 46.2 BPM. ISIP 4618 PSIG. RD HALLIBURTON.

2GPT), 280 GAL 16# LINEAR PAD, 7434 GAL 16# LINEAR W/9600# 20/40 SAND @ 1–1.5 PPG, 27070 GAL 16# DELTA 200 W/75200# 20/40 SAND @ 2–5 PPG. MTP 7864 PSIG. MTR 50 BPM. ATP 6307

STAGE 4. RUWL. SET 6K CFP AT 9500'. PERFORATE MPR FROM 9480'-81', 9446'-47', 9420'-21', 9413'-14', 9394'-95', 9380'-81', 9352'-53', 9330'-31', 9312'-13', 9304'-05', 9293'-94', 9269'-70' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (ALDACIDE @ 2GPT), 2680 GAL 16# LINEAR PAD, 59424 GAL 16# DELTA 200 W/181100# 20/40 SAND @ 2-5 PPG. MTP 8060 PSIG. MTR 48.5 BPM. ATP 6282 PSIG. ATR 43.3 BPM. ISIP 3950 PSIG. RD HALLIBURTON.

STAGE 5. RUWL. SET 6K CFP AT 9232'. PERFORATE MPR FROM 9214'-15', 9203'-04', 9167'-68', 9162'-63', 9128'-29', 9093'-94', 9083'-84', 9044'-45', 9032'-33', 8999'-9000', 8990'-91', 8972'-73'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU WIDE SPREAD PUMP 165 GAL OF NALCO EC 6707 SCALE INHIBITOR PLUS 5 BBLS FRESH WATER. PUMP 110 GAL OF NALCO 6106, PLUS 5 BBLS FRESH WATER. FRAC LPR DOWN CASING W/15 GAL BIOCIDE (ALDACIDE @ 2GPT), 2575GAL 16# LINEAR PAD, 8060 GAL 16# LINEAR W/10300# 20/40 SAND @ 1-1.5 PPG, 56623 GAL 16# DELTA 200 W/195800# 20/40 SAND @ 2-5 PPG. MTP 6877 PSIG. MTR 50.4 BPM. ATP 5397 PSIG. ATR 5397 BPM. ISIP 2829 PSIG. RD HALLIBURTON.

FLOWED 9 HRS. 16/64 CHOKE. FTP- 2450 PSIG, 71 BFPH. RECOVERED 638 BBLS, 7031 BLWTR.

				FI	LOWED 9 HKS.	10/04 CH	OKE. F1F- 243	01310,	i biin. KE	COVERED	030 <b>DDL3</b> , 703	DLWIK.
02-22-	2012	Repo	rted By	М	CCURDY							
DailyCo	osts: Drilli	ing	\$0		Con	pletion	\$4,510		Daily	Total	\$4,510	
Cum C	osts: Drill	ing	\$983	,795	Con	pletion	\$580,629		Well	Total	\$1,564,425	
MD	11,1	80 <b>T</b>	'VD	11,180	Progress	0	Days	18	MW	0.0	Visc	0.0
Format	ion : BLA	CK HAV	VK	<b>PBTD</b> : 1	1127.0		<b>Perf</b> : 8972'-	-11029'		PKR Dej	<b>pth:</b> 0.0	
Activity	at Repor	t Time	: FLOW	TEST TO SA	LES							
Start	End	Hrs	From	To A	ctivity Descrip	otion						
06:00	06:00	24.	.0 (				RATOR. FLOWE 221 BLWTR. 230				00 PSIG. 48 BFI	РН.
06:00			(	Q		S AT 11:30	PENING PRESS HRS, 2/20/12. F					
02-23-	2012	Repo	rted By	SI	EARLE							
DailyCo	osts: Drilli	ing	\$0		Con	pletion	\$4,510		Daily	Total	\$4,510	
Cum C	osts: Drill	ing	\$983	,795	Con	pletion	\$585,139		Well	Total	\$1,568,935	
MD	11,1	80 <b>T</b>	'VD	11,180	Progress	0	Days	19	MW	0.0	Visc	0.0
Format	ion: BLA	CK HAV	VK	<b>PBTD</b> : 1	1127.0		<b>Perf:</b> 8972'-	-11029'		PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity	at Repor	t Time	: FLOW	TEST TO SA	LES							
<b>Start</b> 06:00	<b>End</b> 06:00	Hrs 24.	<b>From</b> .0 (	0 FI	ctivity Descrip LOW THROUGI LW. 4175 BLW	H TEST U	NIT 24 HRS. 20/ MCFD RATE.	64" CHO	KE. FCP 2025	5 PSIG. 73 BI	FPH. RECOVE	RED 1746
02-24-	2012	Repo	rted By	SI	EARLE							
DailyCo	osts: Drilli	ing	\$0		Con	pletion	\$4,510		Daily	Total	\$4,510	
Cum C	osts: Drill	ing	\$983	,795	Con	pletion	\$589,649		Well	Total	\$1,573,445	
MD	11,1	80 <b>T</b>	<b>'VD</b>	11,180	Progress	0	Days	20	MW	0.0	Visc	0.0
Format	ion: BLA	CK HAV	VK	<b>PBTD</b> : 1	1127.0		<b>Perf</b> : 8972'-	-11029'		PKR Dej	<b>pth:</b> 0.0	
	4 D	4 (17)*										

Activity at Report Time: FLOW TEST TO SALES

Start End Hrs From To Activity Description  06:00 06:00 24.0 0 0 FLOW THROUGH TEST U BLW. 3109 BLWTR. 1526		KE. FCP 1775 PSIG. 44 B	FPH. RECOVERED 1056
02–25–2012 Reported By SEARLE	MCFD RAIE. 84 BO.		
DailyCosts: Drilling \$0 Completion	\$4,510	Daily Total	\$4,510
Cum Costs: Drilling \$983,795 Completion	\$594,159	Well Total	\$1,577,955
MD 11,180 TVD 11,180 Progress 0	<b>Days</b> 21	<b>MW</b> 0.0	<b>Visc</b> 0.0
Formation: BLACK HAWK PBTD: 11127.0	Perf: 8972'-11029'	PKR De	
Activity at Report Time: FLOW TEST TO SALES	1011.0772 11027	1111120	<b>PVII •</b> 0.0
Start End Hrs From To Activity Description			
06:00 06:00 24.0 0 0 FLOW THROUGH TEST U BLW. 2336 BLWTR. 1403		KE. FCP 1450 PSIG. 32 B	FPH. RECOVERED 773
02-26-2012 Reported By SEARLE			
DailyCosts: Drilling \$0 Completion	\$4,510	Daily Total	\$4,510
Cum Costs: Drilling \$983,795 Completion	\$598,669	Well Total	\$1,582,465
<b>MD</b> 11,180 <b>TVD</b> 11,180 <b>Progress</b> 0	Days 22	<b>MW</b> 0.0	<b>Visc</b> 0.0
Formation: BLACK HAWK PBTD: 11127.0	<b>Perf</b> : 8972'-11029'	PKR De	<b>pth</b> : 0.0
Activity at Report Time: FLOW TEST			
Start End Hrs From To Activity Description			
06:00 06:00 24.0 0 0 FLOW THROUGH TEST U BLW. 1716 BLWTR. 1309		KE. FCP 1200 PSIG. 26 B	FPH. RECOVERED 620
02–27–2012 Reported By SEARLE			
DailyCosts: Drilling \$0 Completion	\$4,510	<b>Daily Total</b>	\$4,510
Cum Costs: Drilling \$983,795 Completion	\$603,179	Well Total	\$1,586,975
<b>MD</b> 11,180 <b>TVD</b> 11,180 <b>Progress</b> 0	<b>Days</b> 23	<b>MW</b> 0.0	<b>Visc</b> 0.0
Formation: BLACK HAWK PBTD: 11127.0	<b>Perf</b> : 8972'-11029'	PKR De	<b>pth:</b> 0.0
Activity at Report Time: FLOW TEST TO SALES			
Start End Hrs From To Activity Description			
06:00 06:00 24.0 0 0 FLOW THROUGH TEST U BLW. 1216 BLWTR. 1215		KE. FCP 1025 PSIG. 21 B	FPH. RECOVERED 500
02–28–2012 Reported By SEARLE			
DailyCosts: Drilling \$0 Completion	\$4,510	Daily Total	\$4,510
Cum Costs: Drilling \$983,795 Completion	\$607,689	Well Total	\$1,591,485
<b>MD</b> 11,180 <b>TVD</b> 11,180 <b>Progress</b> 0	Days 24	<b>MW</b> 0.0	<b>Visc</b> 0.0
Formation: BLACK HAWK PBTD: 11127.0	<b>Perf</b> : 8972'–11029'	PKR De	<b>pth:</b> 0.0
Activity at Report Time: ON SALES			
Start End Hrs From To Activity Description			
06:00 06:00 24.0 0 0 FLOW THROUGH TEST U BLW. 805 BLWTR. 1069 M			
02–29–2012 Reported By MIKE LEBARON			
DailyCosts: Drilling \$0 Completion	\$0	Daily Total	\$0
Cum Costs: Drilling \$983,795 Completion	\$607,689	Well Total	\$1,591,485

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

MD 11,180 TVD 0 0.0 0.0 11,180 Progress Days 25 MWVisc PKR Depth: 0.0 Formation: BLACK HAWK **PBTD**: 11127.0 Perf: 8972'-11029' Activity at Report Time: ON SALES (CSG) Start End Hrs From To **Activity Description** 06:00 06:00 24.0 0 0 FLOWED 966 MCF, 84 BC & 324 BW IN 20 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 840 PSIG. 03-01-2012 Reported By MIKE LEBARON \$0 DailyCosts: Drilling \$0 Completion \$0 **Daily Total Cum Costs: Drilling** \$983,795 Completion \$607,689 Well Total \$1,591,485 0 0.0 0.0 MD 11,180 TVD 11,180 **Progress** 26 MW Visc Days **PBTD**: 11127.0 Perf: 8972'-11029' PKR Depth: 0.0 Formation: BLACK HAWK Activity at Report Time: ON SALES (CSG) Start End Hrs From To **Activity Description** 06:00 06:00 24.0 0 0 FLOWED 886 MCF, 60 BC & 215 BW IN 24 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 685 PSIG. 03-02-2012 MIKE LEBARON Reported By \$0 \$0 DailyCosts: Drilling Completion \$0 **Daily Total Cum Costs: Drilling** \$983,795 Completion \$607,689 **Well Total** \$1,591,485 0.0 MD 11,180 11,180 0 27 0.0 TVD **Progress** Days MWVisc Formation: BLACK HAWK **PBTD**: 11127.0 Perf: 8972'-11029' PKR Depth: 0.0 Activity at Report Time: ON SALES (CSG) Start End Hrs From To **Activity Description** 06:00 06:00 24.0 0 FLOWED 803 MCF, 92 BC & 176 BW IN 24 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 610 PSIG. 03-05-2012 Reported By MIKE LEBARON DailyCosts: Drilling \$0 **Daily Total** \$0 Completion \$0 \$983,795 \$607,689 \$1,591,485 **Cum Costs: Drilling** Completion **Well Total** 11,180 0 0.0 0.0 MD TVD 11,180 **Progress** 28 MW Visc Days Formation: BLACK HAWK **PBTD**: 11127.0 Perf: 8972'-11029' PKR Depth: 0.0 **Activity at Report Time: ON SALES** Start End Hrs From To **Activity Description** 06:00 06:00 0 3/3/12 - FLOWED 744 MCF, 82 BC & 166 BW IN 24 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 858 PSIG. 24.0 3/4/12 - FLOWED 706 MCF, 74 BC & 142 BW IN 24 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 550 PSIG. 3/5/12 - FLOWED 679 MCF, 65 BC & 152 BW IN 24 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 530 PSIG. 03-06-2012 MIKE LEBARON Reported By \$0 DailyCosts: Drilling Completion **Daily Total** \$1,591,485 \$983,795 \$607,689 Well Total **Cum Costs: Drilling** Completion MD 11,180 TVD 11,180 **Progress** MW0.0 Visc 0.0 Days Formation: BLACK HAWK **PBTD**: 11127.0 Perf: 8972'-11029' PKR Depth: 0.0 **Activity at Report Time: ON SALES** Start End **Activity Description** Hrs From To 06:00 06:00 24.0 0 0 FLOWED 565 MCF, 72 BC & 145 BW IN 24 HRS ON 20/64" CHOKE, TP 0 PSIG, CP 490 PSIG.

Page 16

Well Name: NCW 232–33 Field: CHAPITA DEEP Property: 057327

03-07-2	2012	Repor	ted By	N	ICCURDY/ALA	N WATKIN	NS					
DailyCo	sts: Drilli	ing	\$0		Con	pletion	\$1,525		Daily	y Total	\$1,525	
Cum Co	sts: Drill	ing	\$983,	795	Com	pletion	\$609,214	ŀ	Well	Total	\$1,593,010	)
MD	11,1	80 <b>T</b> V	VD	11,180	Progress	0	Days	29	MW	0.0	Visc	0.0
	on: BLAG MESAVERI			PBTD:	11127.0		<b>Perf</b> : 863	1'-11029'		PKR Dep	oth: 0.0	
Activity	at Repor	t Time:	ON SAL	ES								
Start	End	Hrs	From	To A	ctivity Descrip	otion						
06:00	06:00	24.0	0	0 F	RAC TANKS PR	E MIXED	W/ BIOCIDE	E (BE 6) @ 3	# PER TANK	ζ.		
				88 87 (5	TAGE 6. MIRU ( 874'. SET PLUG 760'–61', 8830'- SKIPPED PERFS IIRU HALLIBUI	@ 8874'. -31', 8847' 8 8890'-91	PERFORATE -48', 8860'-	E UPR/MPR 61',ADDED	FROM 8631 8864'-65', (	'-32', 8642'- MOVED 8876	43', 8662'–63 6'–77' TO 886	3', 8734'-35', 65'-66'),
06:00			0	0 F	LOWED 627 MC	CF, 36 BC &	& 136 BW IN	24 HRS ON	20/64" CHC	KE, TP 0 PSI	G, CP 450 PS	IG. FINAL

REPORT FOR MORNING OPERATIONS REPORT.

Form 3160-4 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137

			BUREA											Ex	pires: Jul	y 31, 2010
	WELL (	COMPL	ETION C	R REC	OMPL	ETIC	ON REF	PORT	AND L	_OG				ease Seria JTU4391		
la. Type of	f Well 🔲	Oil Well	☑ Gas	Well [	Dry		Other						6. If	Indian, A	llottee o	r Tribe Name
b. Type of	f Completion	☑ N Othe	ew Well	☐ Work	Over	<b>D</b> D	eepen	☐ Pluį	g Back		Oiff. R	esvr.	7. U:	nit or CA	Agreem	ent Name and No.
2. Name of					Con	tact: M	ICKENZI	E GAT	ES				8 14	ease Nam	e and W	ell No
	ESOURCE: 600 17TH	•		-Mail: MI	CKENZ	IE_GA	TES@E	OGRES	SOURCE				N	IORTH C	HAPIT	A 232-33
	DENVER,	CO 802	02				Ph: 4	435-78	o. (includ 1-9145	e area	code)			PI Well N		43-047-51403
	of Well (Rep ace SWSV						-		)*				10. I	ield and IATURAI	Pool, or BUTT	Exploratory ES
	orod interval i								109.451	567 V	N Lon		11. S	Sec., T., R r Area S	., M., or ec 33 T	Block and Survey 8S R22E Mer SLB
At total			SL 804FW											County or	Parish	13. State UT
14. Date S <sub>1</sub> 12/20/2	pudded 2011			ate T.D. R /05/2012	eached	-		□ D &	Complet A 20/2012	ed Read	y to Pı	od.	17. I	Elevations 4	(DF, K) 843 GL	B, RT, GL)*
18. Total D	-	MD TVD	11180	"	9. Plug			MD TVD	11	127		20. Dej	oth Bri	dge Plug		MD TVD
RST/CI	lectric & Oth BL/CCL/VDI	./GR				f each)					Was I	vell core OST run? ional Su	,	⊠ No ⊠ No ⊠ No	☐ Yes	s (Submit analysis) s (Submit analysis) s (Submit analysis)
23. Casing at	nd Liner Reco	ord (Repo	rt all strings	set in wel	<i>l)</i>	_	<u></u>									
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)		ottom MD)	Stage Co Dep		No. o	of Sks. of Cen		Slurry (BE		Cemen	t Top*	Amount Pulled
12.250	9.6	25 K-55	36.0			2816	3				750				0	
8.750	4.500 H	ICP-110	11.6			11171					2590				1510	
											•					
04 m 1:	72 1					_	<u> </u>									
24. Tubing		<u>-,                                    </u>														
2.375		ID) Pa 8210	acker Depth	(MD)	Size	Dep	th Set (MI	O) F	acker De	pth (N	(ID)	Size	De	pth Set (N	AD)	Packer Depth (MD)
25. Produci	ng Intervals		·			26	. Perforati	on Reco	ord							
Fo	ormation		Тор		Bottom		Per	forated	Interval			Size	N	lo. Holes		Perf. Status
A)	MESAVE	RDE		6822	1102	29		1	10824 TC	110	29			3	6 OPE	N
B)		ļ				4			9858 TC					3	6 OPE	N
<u>C)</u>			_		•	4			9538 T						6 OPE	
D)	racture, Treat	mont Com		. Etc		Щ.			9269 T	O 94	81			3	6 OPE	<u>N</u>
	Depth Interva		J Squeeze	i, Etc.						1.70	63.5					
			29 1,364 B	ARRELS	)F GELLI	ED WA	TER & 176		mount and		e or M	ateriai		R	ECE	IVED
			93 1,564 B							_						
			95 845 BAF					<u> </u>						M	XY 3	<del>1 2012</del>
			81 1,496 B				<del>`</del>			ID				1-11	***	
28. Product	ion - Interval	A					-							DIV. O	OIL, G	AS & MINING
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF		Water BBL	Oil Gi Corr.			Gas		Producti	ion Method		
02/20/2012	03/20/2012	24		41.0	140		265.0	Con.	AL I		Gravity			FLC	WS FRO	OM WELL
Choke Size	Tbg. Press. Flwg. 1010	1	24 Hr. Rate	Oil BBL	Gas MCF		Water BBL	Gas:O Ratio	ril		Well Sta	atus	······			
20/64 28a. Produc	si tion - Interva	1740.0 I B		41	14	03	265				P	GW				
Date First	Test	Hours	Test	Oil	Gas		Water	Oil G	ravity		Gas		Producti	ion Method		
Produced	Date	Tested	Production	BBL	MCF		BBL	Corr.			Gravity					
Choke Size	Tbg. Press. Flwg.	Csg. Press,	24 Hr. Rate	Oil BBL	Gas MCF		Water BBL	Gas:C Ratio	il		Well St	atus				

28h Prod	uction - Interv	al C								<u> </u>		
Date First	Test	Hours	Test	Io:	I a	Torri .	Tay a i					
Produced	Date	Tested	Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gra	s avity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We	ell Status			
28c. Prod	uction - Interv	al D										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gra	s avity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We	ell Status			
29. Dispo	sition of Gas(S	Sold, used fo	or fuel, vent	ed, etc.)		<u> </u>	<u> </u>					
30. Summ	ary of Porous	Zones (Inc	lude Aquife	rs):					31. For	nation (Log) Mar	kers	
tests, i	all important a including depth coveries.	zones of por h interval te	rosity and coested, cushic	ontents there on used, time	eof: Cored in tool open,	ntervals and a flowing and	all drill-stem shut-in press	ures	**			
	Formation		Тор	Bottom		Description	ıs, Contents,	etc.		Name		Top Meas. Depth
32. Additi	ional remarks ( e see the atta	include plu ached.	6822	11029					BIR MAI UTE WA CH/ BU(	EEN RIVER DS NEST HOGANY LLAND BUTTE SATCH APITA WELLS CK CANYON CE RIVER		1895 2232 2866 5118 5285 5889 6578 8049
1. Ele 5. Sur	enclosed attace ectrical/Mechan ndry Notice for by certify that	nical Logs ( r plugging a	and cement	verification  hed information	tion is comp	2. Geologic l 6. Core Anal olete and corr 352 Verified SOURCES, l	ysis ect as determ	nined from a	mation Sys	records (see attacl	4. Direction	·
Name	(please print)	MICKENZ	IE GATES				Title	REGULA	TORY ASS	ISTANT	<del>_</del>	······
Signat	ture //	de leta Ario	<b>U</b> submissi	sentes>			Date	o5/23/201	12			· · · · · · · · · · · · · · · · · · ·

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

#### NORTH CHAPITA 232-33- ADDITIONAL REMARKS:

#### **26. PERFORATION RECORD**

36	OPEN
30	OPEN
36	OPEN
	30 36 36 36 36 36 36

#### 27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.

8972-9215	1,618 BARRELS GELLED WATER & 206,100# 20/40 SAND
8631-8866	1,566 BARRELS GELLED WATER & 197,700# 20/40 SAND
8344-8565	1,091 BARRELS GELLED WATER & 138,100# 20/40 SAND
8010-8267	1,131 BARRELS GELLED WATER & 143,600# 20/40 SAND
7642-7937	1,216 BARRELS GELLED WATER & 156,300# 20/40 SAND
7324-7577	702 BARRELS GELLED WATER & 76,300# 20/40 SAND
7040-7273	826 BARRELS GELLED WATER & 97,400# 20/40 SAND
6822-6989	635 BARRELS GELLED WATER & 69,900# 20/40 SAND

### 32. FORMATION (LOG) MARKERS

Middle Price River	8827
Lower Price River	9670
Sego	10187
Castlegates	10348
Blackhawk	10571
Mancos	11101